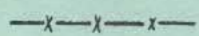
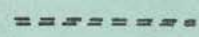
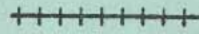
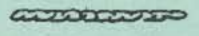
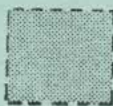


APPENDIX I

The following Site Data Forms are designated as Prospective Sites; Not Sampled. The sites described herein are depicted on the county materials maps as a "●".

LEGEND

	Fence		Farm site
	Trail or lane		Open materials site
	Railroad		Prospective materials site
	Road		Center of section
	Hedge or trees		Cemetery
	Major streams		School
	Intermittent streams		Church
	Pond or lake		Town or city

MATERIAL SURVEY REPORT

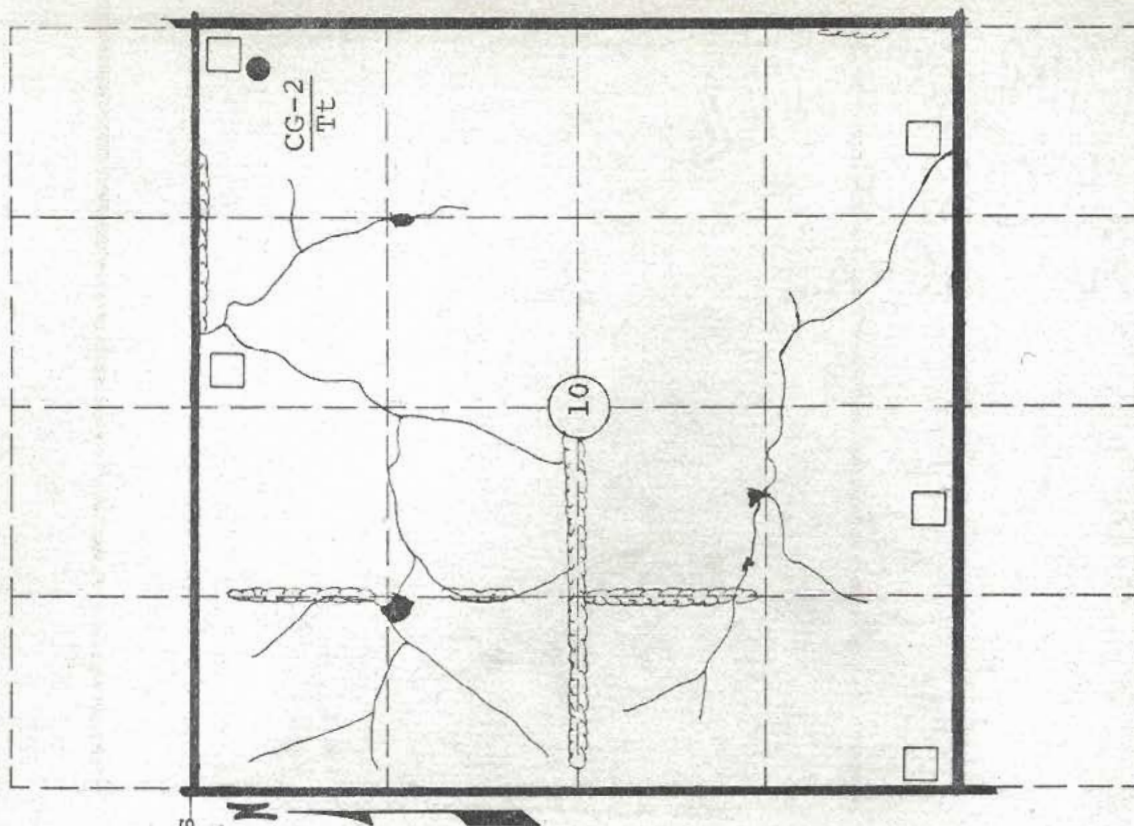
CG-2
Tt _____ Date January 1966
Material Chert Gravel _____ County Brown
Location NE $\frac{1}{2}$ NE $\frac{1}{4}$ _____ Sec. 10 _____ Twp. 1S _____ Range 15E
Owner John P. Kauffman _____
Mature of Deposit Dry _____ Accessability Good
Status of Site Open site; not sampled

EXPLORATION DATA

[illegible]

CORRELATION DATA

Tertiary, Pliocene (?)
 High Terrace Deposit
 Limited source of chert gravel.



Scale: 1" = $\frac{1}{4}$ Mile

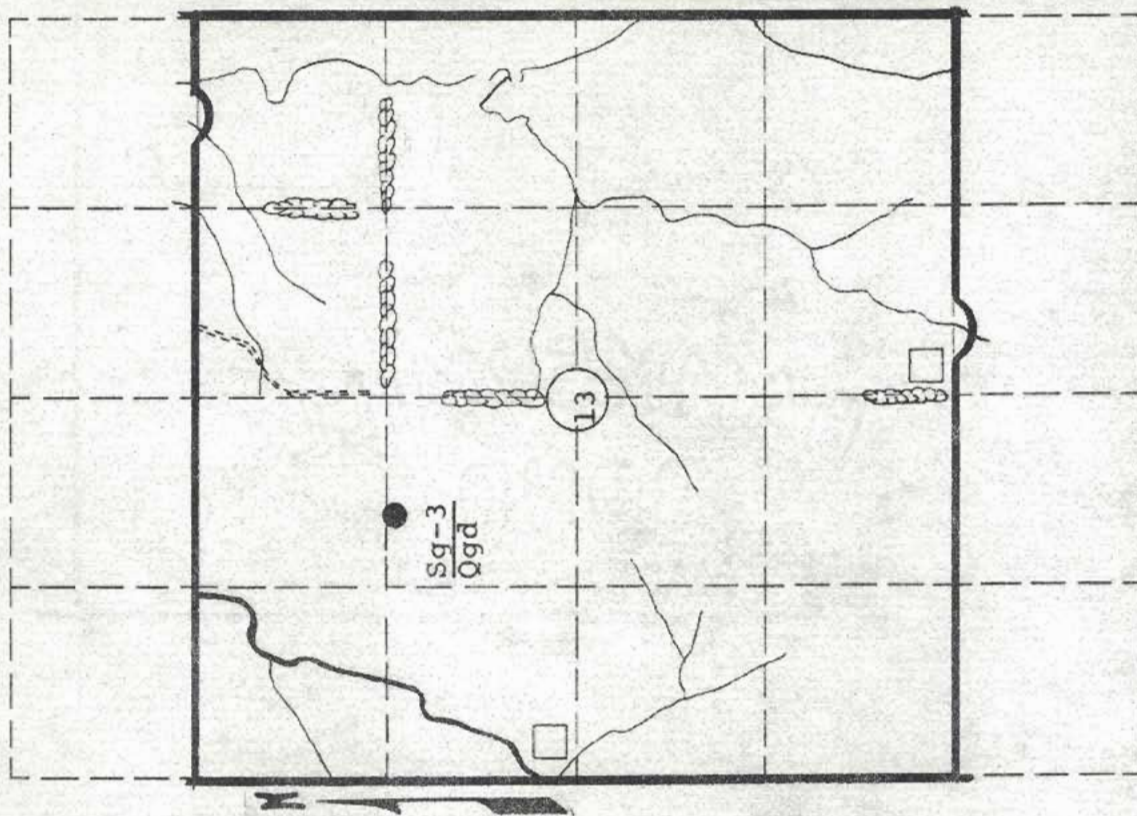
MATERIAL SURVEY REPORT

Sg-3
Qgd
Site No. _____ Date January 1966
Material Sand and Gravel County Brown
Location SE 1/4 NW 1/4 Sec. 13 Twp. 1S Range 15E
Owner Floyd Cain et ux. name _____
Nature of Deposit: Dry Accessibility Poor
Status of Site Open site; not sampled

EXPLANATION DATA

CORRELATION DATA

Geological Age Quaternary
Geological Source Glacial Drift
Material Similar To _____
Specific Gravity (Set.) _____ (Dry) _____
Los Angeles Wear _____
Absorption _____ Soundness _____
Wt. Cu. Ft. _____ Str. Ratio _____
Remarks _____



Scale: 1" = $\frac{1}{4}$ Mile

Site No. _____ Date _____ January 1966

Material Chert Gravel County Brown

Location _____ SW $\frac{1}{4}$ _____ 6 _____ 1S _____ 16E _____
 Sec. _____ Range _____

Owner Simon W. Gerdes Morrill, Kansas
name address

Nature of Deposit Dry Accessibility Fair

STATUS OF SITE
Open site; not sampled

EXPLORATION DATA

CORRELATION DATA

Tertiary, Pliocene (?)

High Terrace Deposit

Material Similar To _____

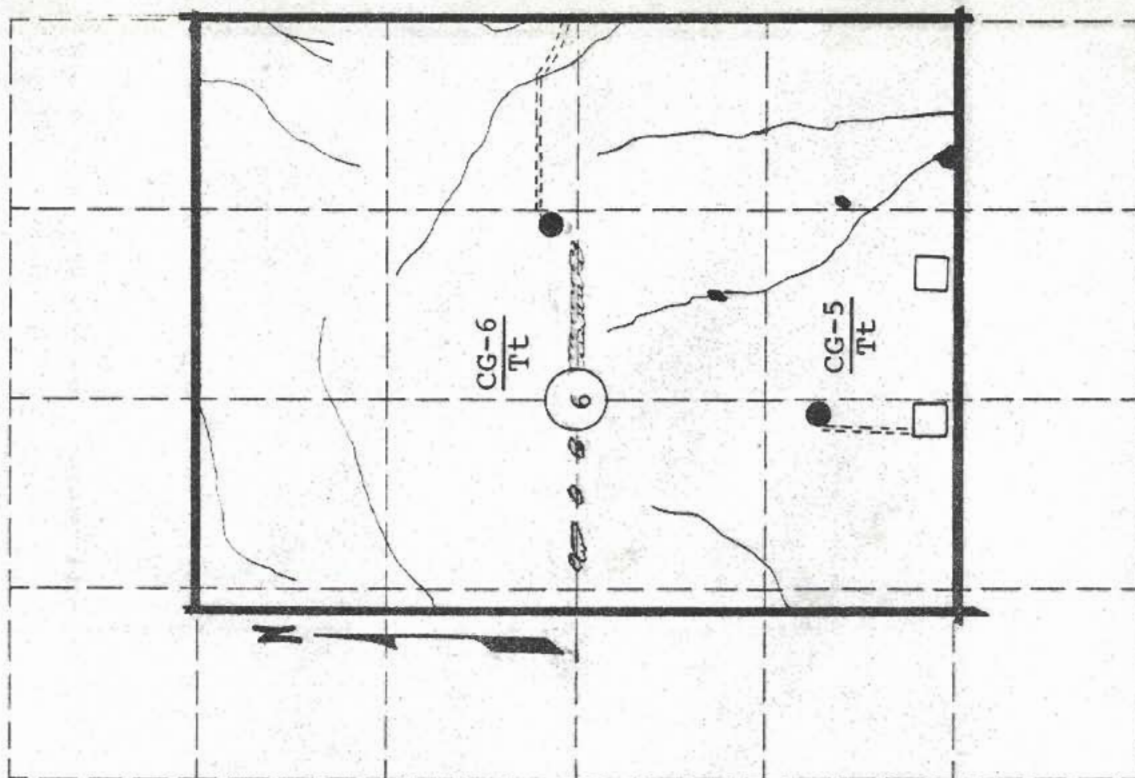
Specific Gravity (Sat.) _____ (Dry) _____

Los Angeles Near _____

Absorption _____ Soundness _____

wt. Cu. Ft. _____ Str. Ratio _____

Remarks _____



Scale: 1" = $\frac{1}{4}$ Mile

MATERIAL SURVEY REPORT

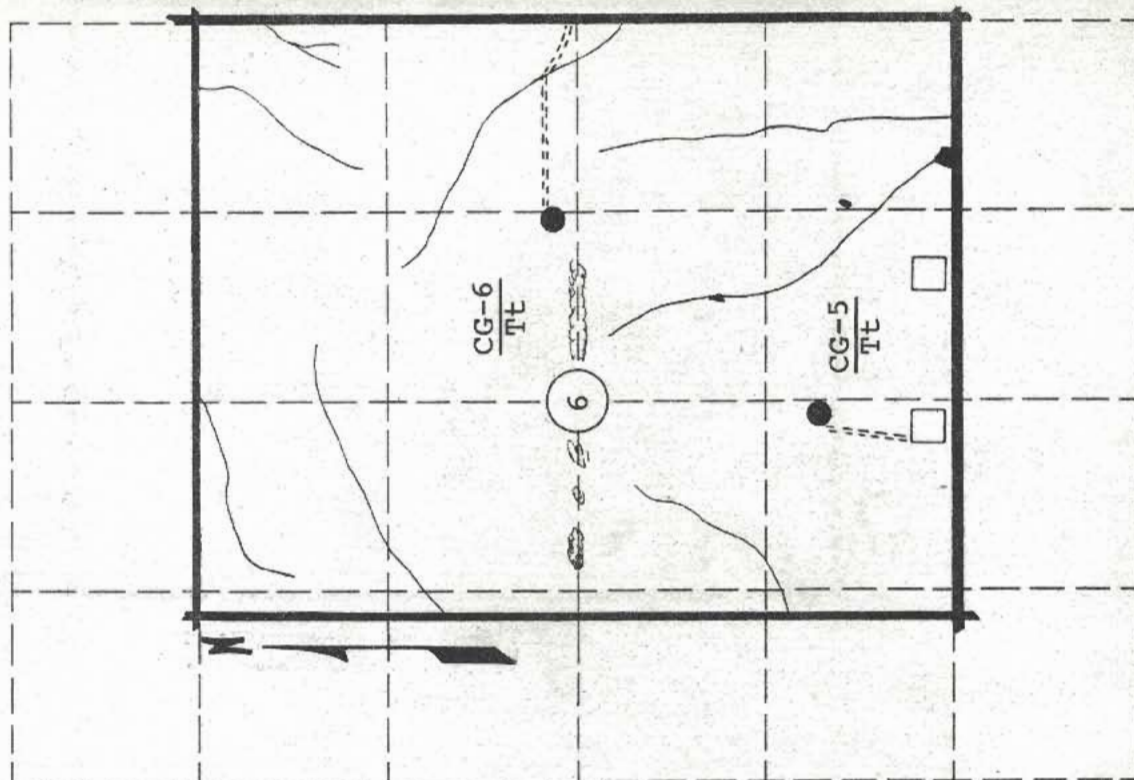
Site No. CG-6 Date January 1966
Tt
 Material Chert Gravel County Brown
 Location SW 1/4 NE 1/4 Sec. 6 Twp. 1S Range 16E
 Owner David J. Fredrick 1114 E. 21st Falls City, Nebr.
 address
 Nature of Deposit Dry Accessibility Poor
 Status of Site Open site; not sampled

EXPLORATION DATA

Test Hole	Material at Bottom of Hole	Depth of over-burden	Depth of Material	Percent Retained							Wash 200	G.F.	L.L.	P.I.		
				1 1/2	3/4	3/8	4	8	16	30					50	100

CORRELATION DATA

Geological Age Tertiary, Pliocene (?)
 Geological Source High Terrace Deposit
 Material Similar To _____
 Specific Gravity (Sat.) _____ (Dry) _____
 Los Angeles Wear _____
 Absorption _____ Soundness _____
 Wt. Cu. Ft. _____ Str. Ratio _____
 Remarks _____



Scale: 1" = 1/4 Mile

SG-7
Qqd

Site No. Qgd Date January 1966

Material Sand and Gravel County Brown

Location SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 4 Twp. 2S Range 16E

Owner Forrest N. Lydick Hamlin, Kansas
name address

Nature of Deposit Dry Accessibility Poor

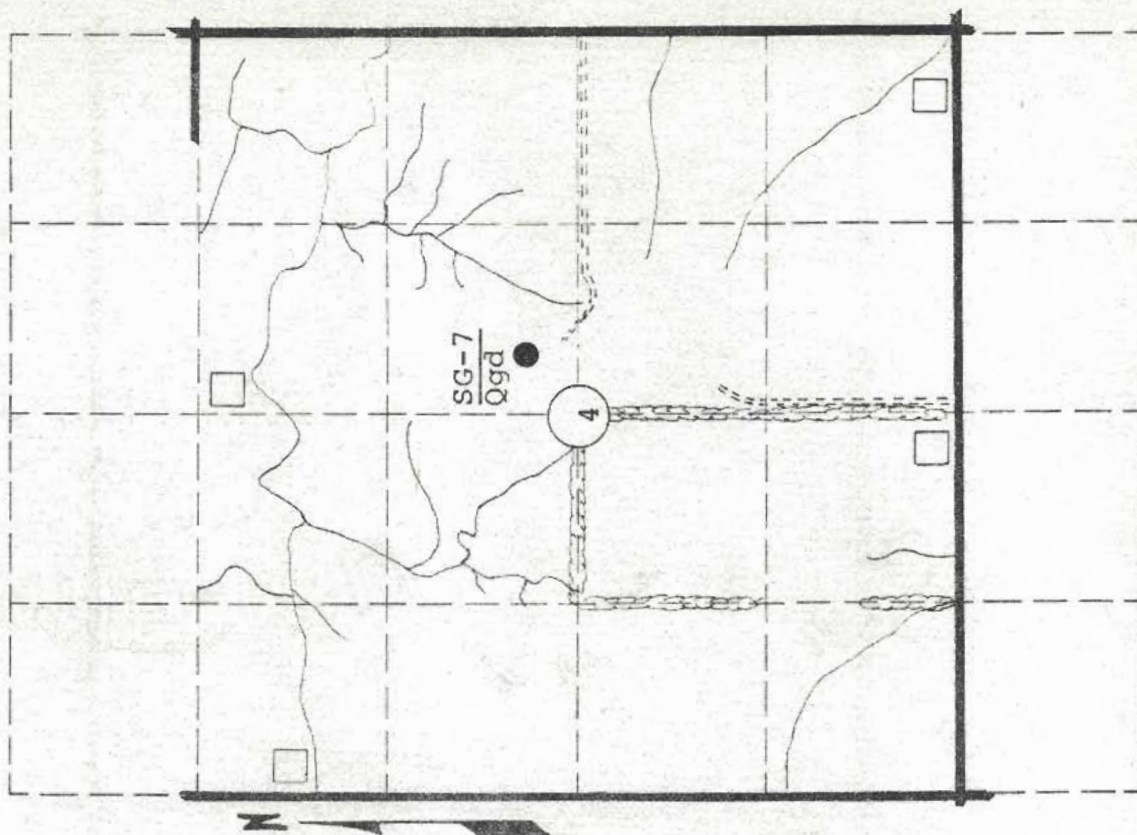
Status of Site Open site; not sampled

EXPLORATION DATA

[illegible]

CORRELATION DATA

Geological Age Quaternary
Geological Source Glacial Drift
Material Similar To _____
Specific Gravity (Sat.) _____ (Dry) _____
Los Angeles Wear _____
Absorption _____ Soundness _____
WL. Cu. Ft. _____ Str. Ratio _____
Remarks _____



Scale: 1" = $\frac{1}{4}$ Mile

MATERIAL SURVEY REPORT

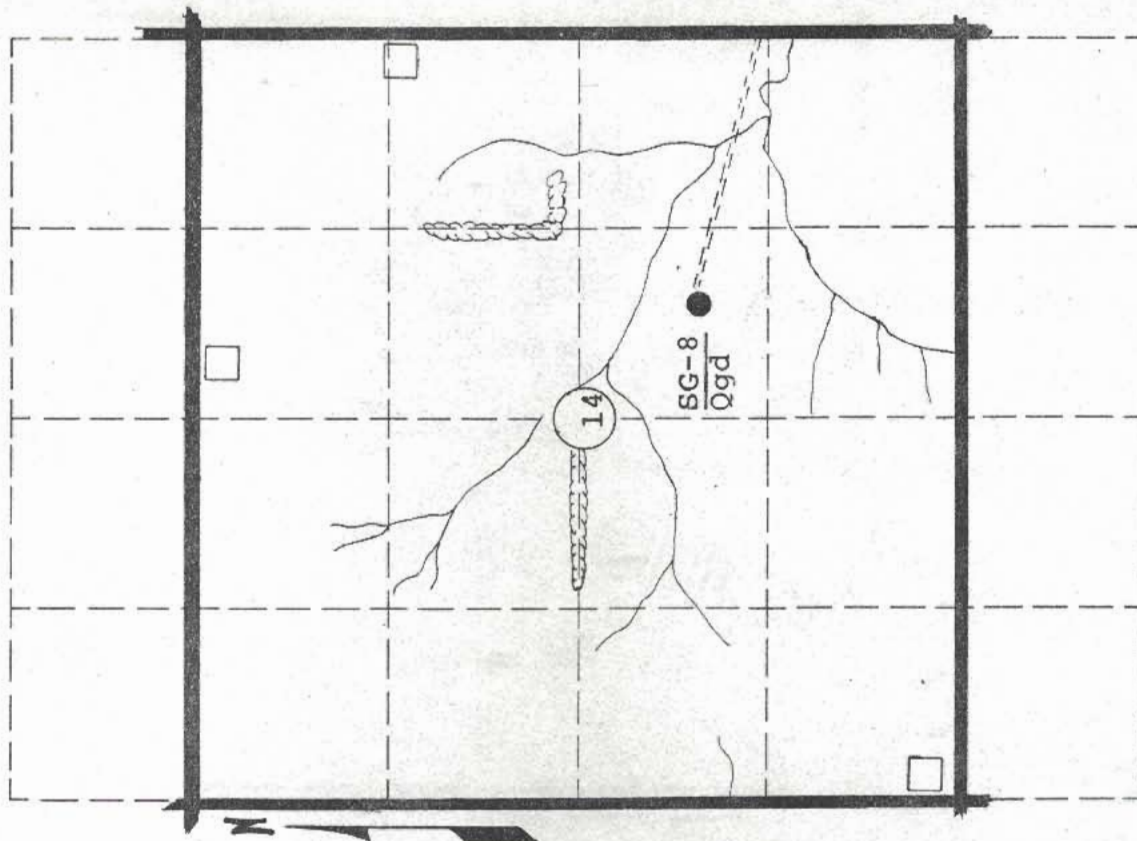
SG-8
Qgd
Site No. _____ Date January 1966
Material Sand and Gravel County Brown
Location NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 14 Twp. 1S Range 16E
Owner Harry J. Swain et al. Reserve, Kansas
name _____ address _____
Mature of Deposit Dry Accessibility Fair
Status of Site Open site; not sampled

EXPLORATION DATA

[illegible]

CORRELATION DATA

Geological Age	Quaternary
Geological Source	Glacial Drift
Material Similar To	
Specific Gravity (Sat.)	(Dry)
Los Angeles Near	
Absorption	Soundness
Wt. Co.Ft.	Str. Ratio
Remarks	



Scale: 1" = $\frac{1}{4}$ Mile

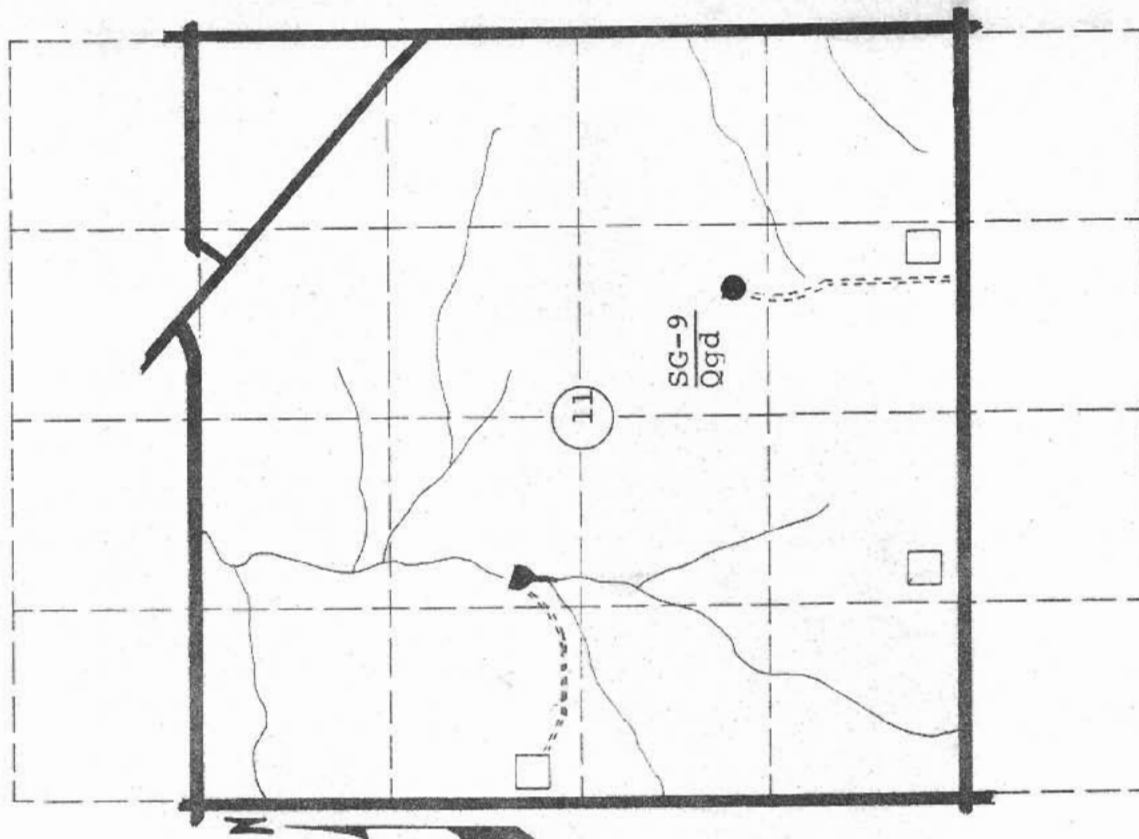
MATERIAL SURVEY REPORT

SG-9
Qgd

Site No.		Date	January 1966
Material	Sand and Gravel	County	Brown
Location	SE $\frac{1}{4}$	Sec. 11	Twp. 1S Range 16E
Owner	Victor E. Syster	Unknown	address
	name		
Nature of Deposit	Dry	Accessibility	Fair
Status of Site	Open site; not sampled		

[illegible]

Quaternary
Geological Age _____
Glacial Drift
Geological Source _____
Material Similar To _____
Specific Gravity (Sat.) _____ (Dry) _____
Los Angeles Near _____
Absorption _____ Soundness _____
Wt. Cu.Ft. _____ Str. Ratio _____
Remarks _____



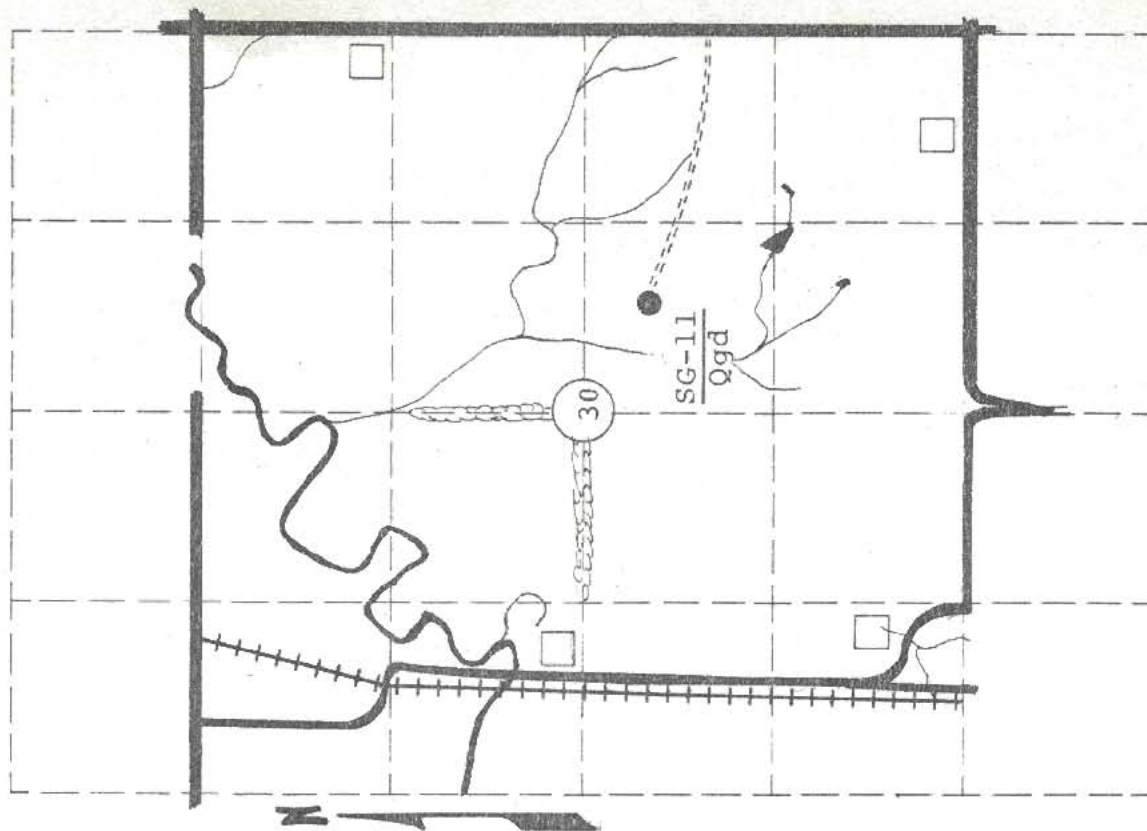
Scale: 1" = $\frac{1}{4}$ Mile

EXPLORATION DATA

[illegible]

CORRELATION DATA

Geological Age Quaternary
Geological Source Glacial Drift
Material Similar To _____
Specific Gravity (Sat.) _____ (Dry) _____
Los Angeles Weir _____
Absorption _____ Soundness _____
Mt. Cu. Ft. _____ Str. Ratio _____
Remarks _____



Scale: 1" = $\frac{1}{4}$ Mile

Qcd

Site No. Qgd Date January 1966
Material Sand and Gravel County Brown
Location NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 4 Twp. 1S Range 18E
Owner Louise Simon et al. Falls City, Nebraska
name address
Nature of Deposit Dry Accessibility Good
Status of Site Open site; not sampled

EXPLORATION DATA

[illegible]

CORRELATION DATA

Geological Age Quaternary
Glacial Drift

Material Similar To _____

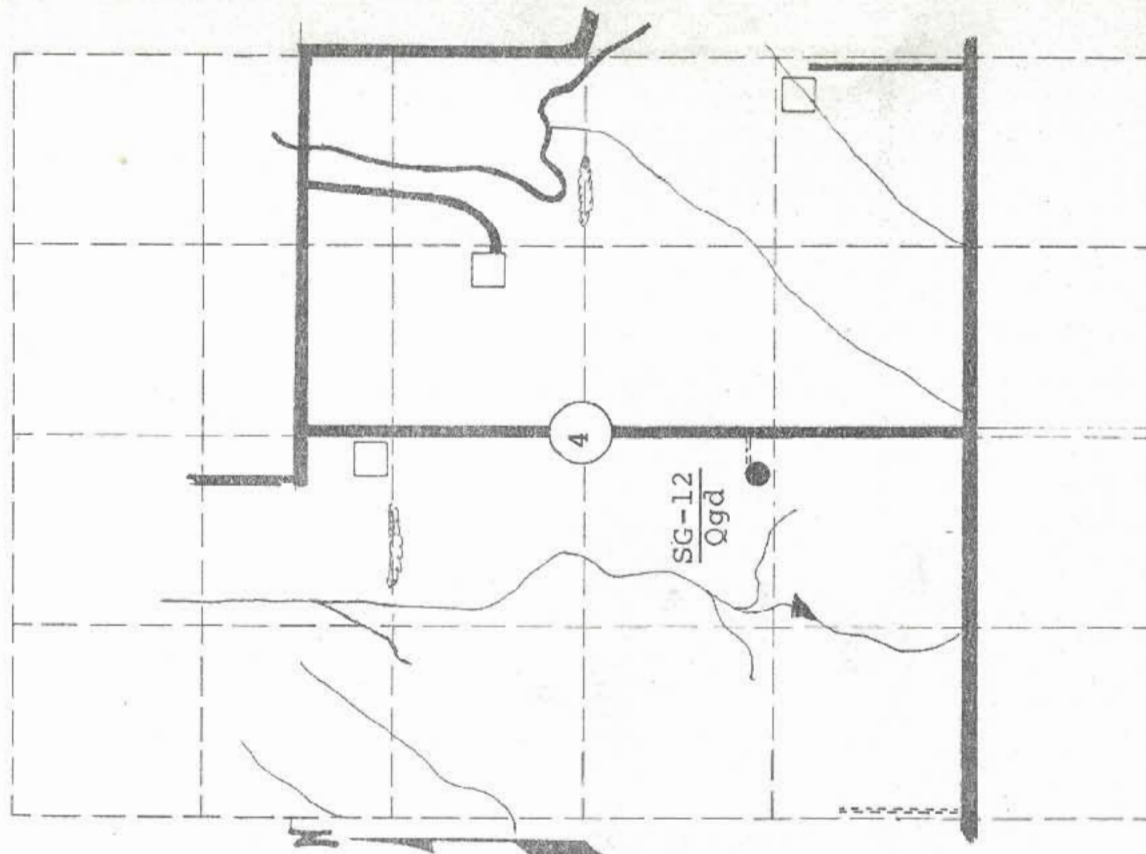
Specific gravity (Sat.) _____ (Dry) _____

Los Angeles Wear _____

Absorption _____ Soundness _____

Int. Cu. Et. _____ Str. Ratio _____

Remarks
Limited source of sand and gravel. Material is highly cemented in some localities. Material is resting on limestone.



Scale: 1" = $\frac{1}{4}$ Mile

MATERIAL SURVEY REPORT

SG-13

Site No. Qgd Date January 1966
Material Sand and Gravel County Brown
Location Center SW $\frac{1}{4}$ Sec. 28 Twp. 1S Range 18E
Owner Albert Gladhart et al White Cloud, Kansas
Address
Nature of Deposit Dry Accessibility Fair
Status of Site Open site; not sampled

EXPLORATION DATA

CORRELATION DATA

Geological Age _____ Quaternary
Geological Source _____ Glacial Drift
Material Similar To _____

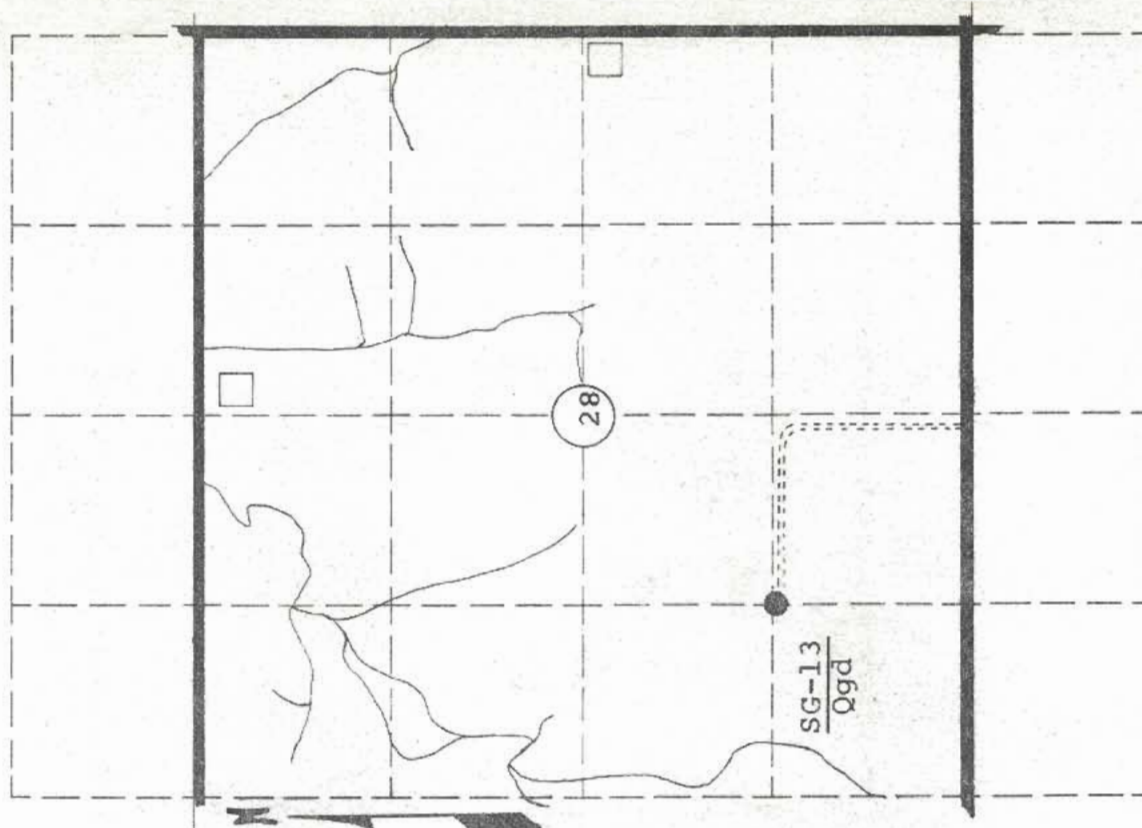
Specific Gravity (Sat.) _____ (Dry) _____

Los Angeles Year _____

Absorption _____ Soundness _____

Wt. Cu. Ft. _____ Str. Ratio _____

Remarks _____



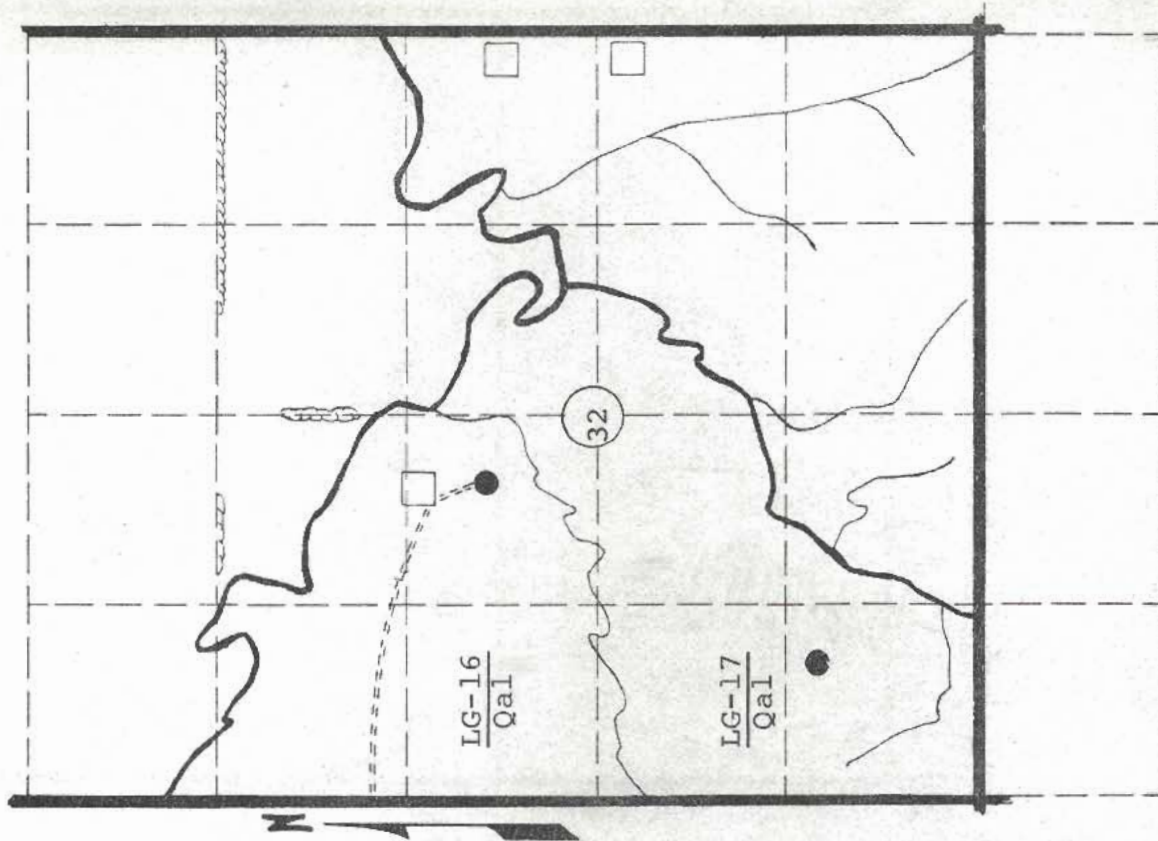
Scale: 1" = $\frac{1}{4}$ Mile

MATERIAL SURVEY REPORT

EXPLORATION DATA

CORRELATION DATA

Scale: 1" = $\frac{1}{4}$ Mile



Qa1

Site No. _____ Qal _____ Date January 1900

Limestone and Gravel	Brown
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Sec.	2S	16E
SW $\frac{1}{4}$ SW $\frac{1}{4}$	32	

Donor Mary E. Schaible & Kent Schaible, Fairview, Kansas
name address

Texture of Deposits: Dry Accessibility: Fair

Open site; not sampled

EXPLORATION DATA

[illegible]

CORRELATION DATA

Quaternary

Geological Source **Alluvium**

Material Similar To _____

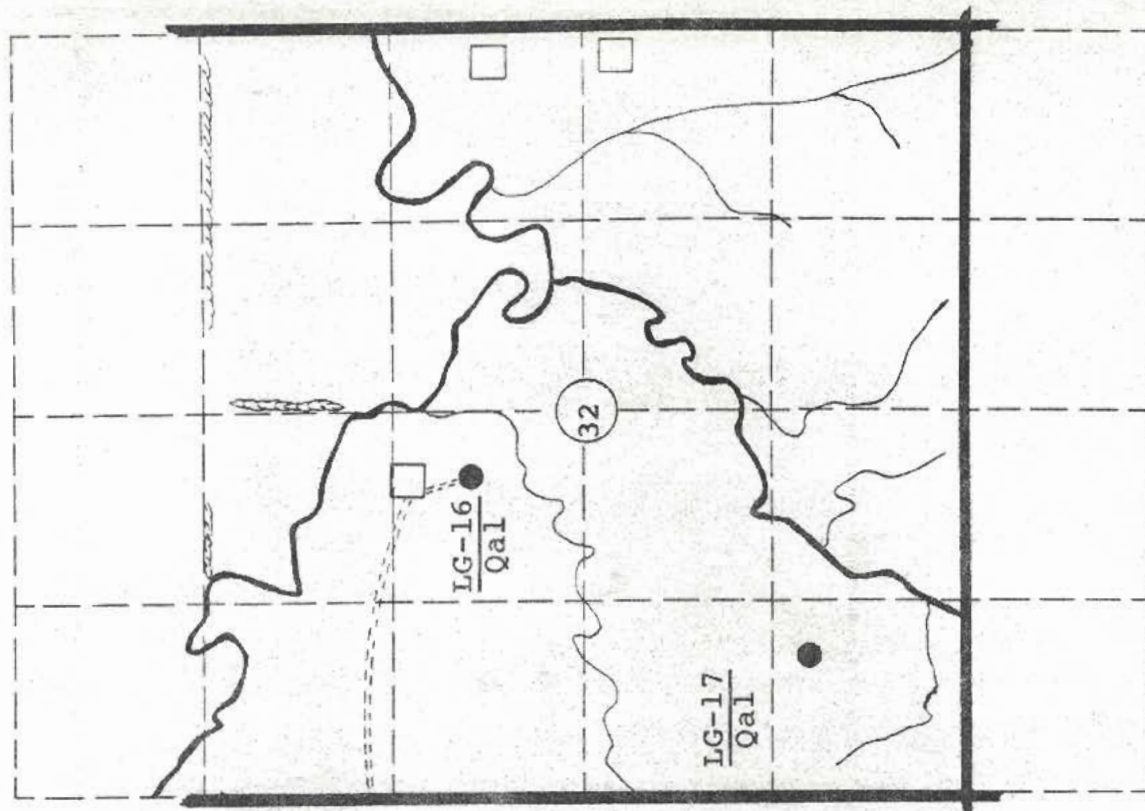
Specific Gravity (Sat.) _____ (Dry) _____

Los Angeles Near _____

Absorption _____ **Soundness** _____

	Str. Ratio
Wt. Cu. Ft.	

Remarks _____



Scale: 1" = $\frac{1}{4}$ Mile

MATERIAL SURVEY REPORT

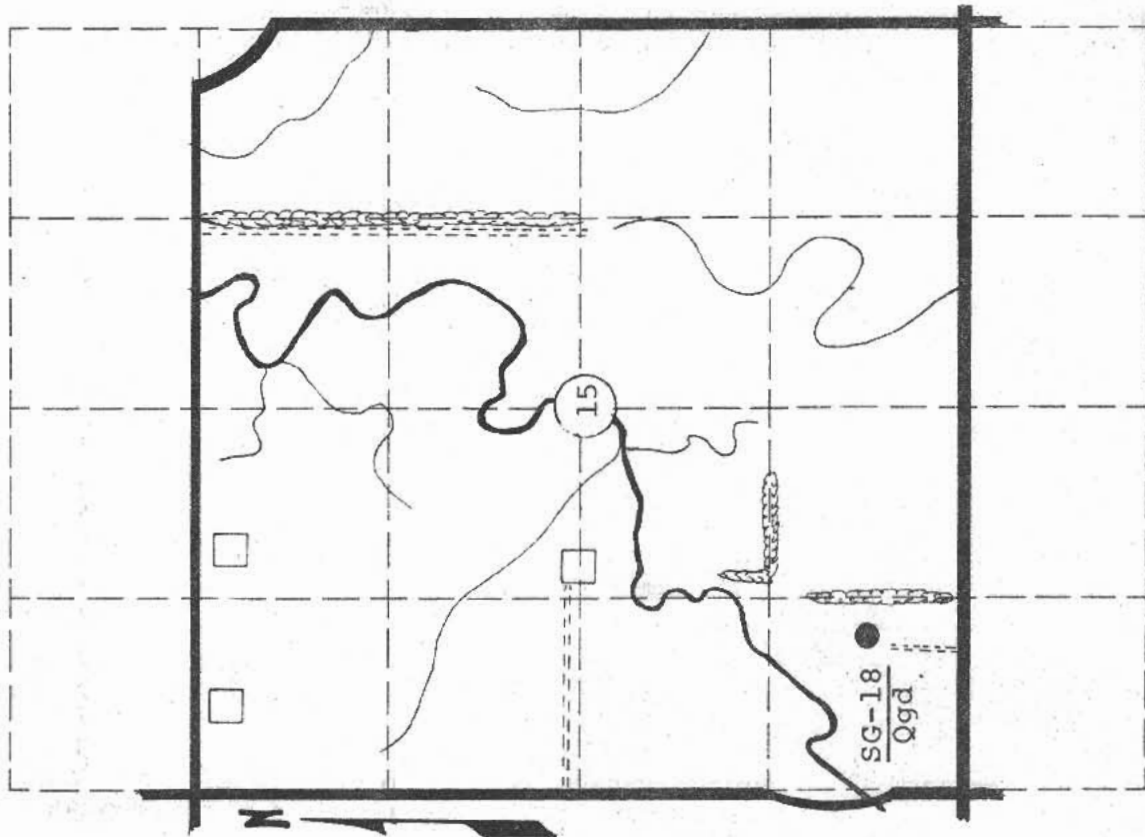
Site No. SG-18
Qgd
 Material Sand and Gravel
 Location SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 15 Twp. 2S Range 16E
 Owner E. Lichty
 Nature of Deposit Dry Accessability Good
 Status of Site Open site; not sampled

EXPLORATION DATA

Test Hole	Material at Bottom of Hole	Depth of over-burden	Depth of Material	Percent Retained								Wash 200	G.F.	L.L.	P.I.
				1 1/2	3/4	3/8	4	8	16	30	50				
									</						

CORRELATION DATA

Geological Age Quaternary
 Geological Source Glacial Drift
 Material Similar To _____
 Specific Gravity (sat.) _____ (Dry) _____
 Los Angeles Wear _____
 Absorption _____ Soundness _____
 Wt. Cu.Ft. _____ Str. Ratio _____
 Remarks _____



Scale: 1" = 1/4 Mile

STATE HIGHWAY COMMISSION OF KANSAS

MATERIAL SURVEY REPORT

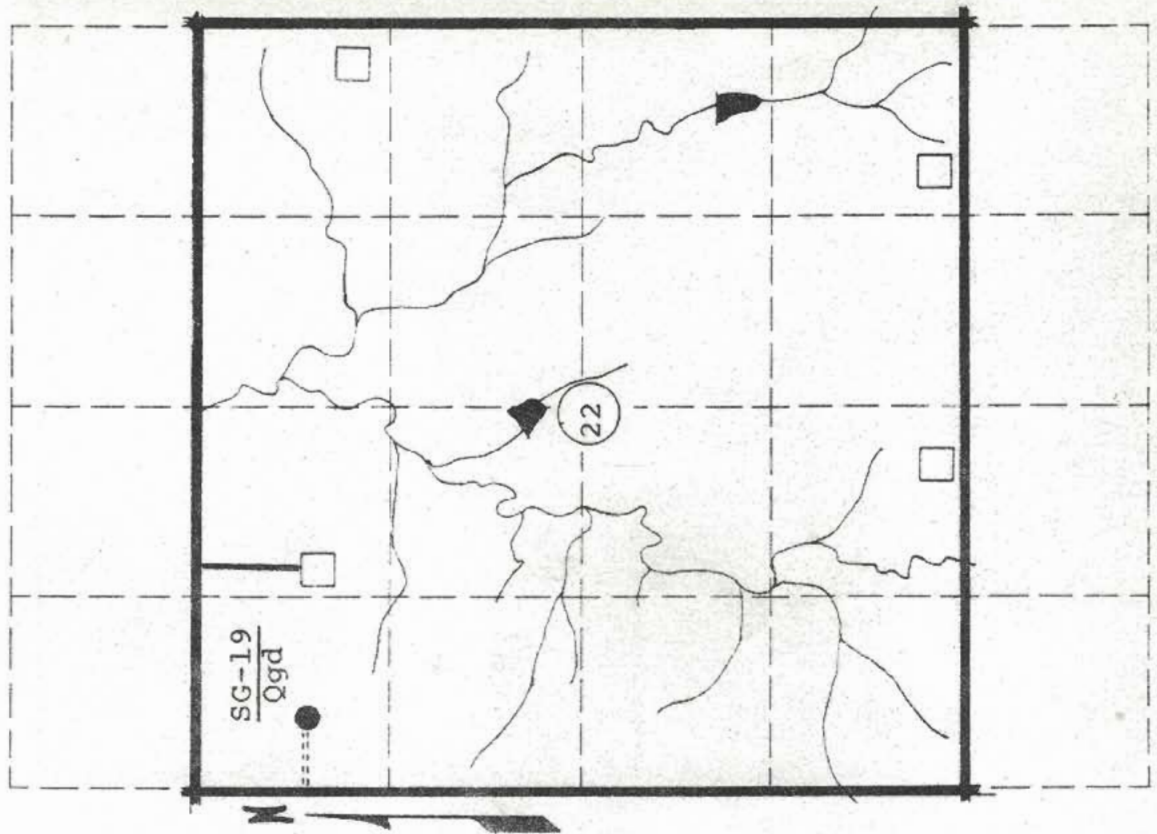
SG-19
Qgd
Site No. _____ Date January 1966
Material Sand and Gravel County Brown
Location NW 1/4 NW 1/4 Sec. 22 Twp. 2S Range 16E
Owner Harold E. Lock R. R. 3, Hiawatha, Kansas
address
Nature of Deposit Dry Accessibility Good
Status of Site Open site; not sampled

EXPLORATION DATA

Test Hole	Material at Bottom of Hole	Depth of over-burden	Depth of Material	Percent Retained								Wash 200	G.F.	L.L.	P. I.	
				1 1/2	3/4	3/8	4	8	16	30	50					100
																</

CORRELATION DATA

Geological Age Quaternary
Geological Source Glacial Drift
Material Similar To _____
Specific Gravity (Sat.) _____ (Dry) _____
Los Angeles Wear _____
Absorption _____ Soundness _____
Wt. Cu.Ft. _____ Str. Ratio _____
Remarks _____



Scale: 1" = 1/4 Mile

MATERIAL SURVEY REPORT

SG-20
Qgd

Site No. _____ Date January 1966

Material Sand and Gravel County Brown

Location SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 21 Twp. 2S Range 16E

Owner Elmer F. Steinbrink R. R. 3, Hiawatha, Kansas
name address

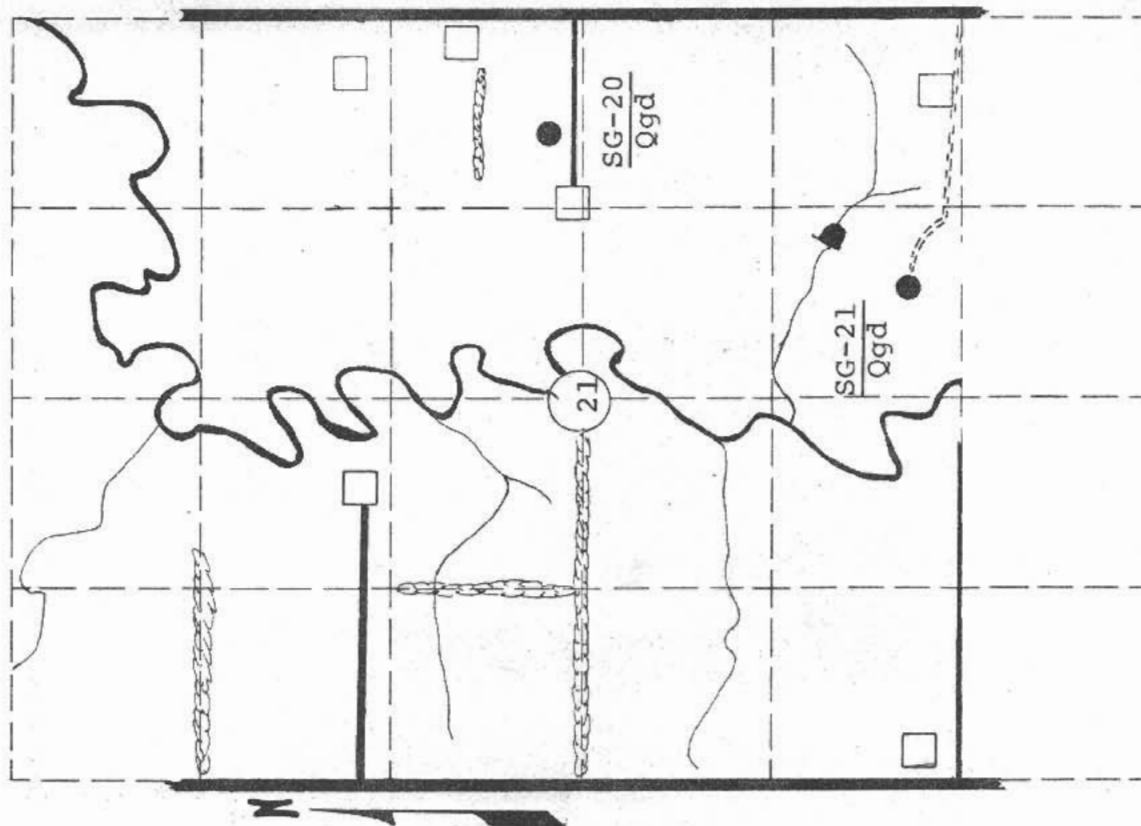
Nature of Deposit Dry Accessibility Good

Status of Site Open site; not sampled

EXPLORATION DATA

CORRELATION DATA

Geological Age Quaternary
Geological Source Glacial Drift
Material Similar To _____
Specific Gravity (Sat.) _____ (Dry) _____
Los Angeles Wear _____
Absorption _____ Soundness _____
Wt. Cu.Ft. _____ Str. Ratio _____
Remarks _____



scale: 1" = $\frac{1}{4}$ Mile

MATERIAL SURVEY REPORT

SG-22
Qgd

Site No. _____ Date January 1966

Material Sand and Gravel County Brown

Location NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 33 Twp. 2S Range 16E

Owner Tony Torkelson name R. R. 3, Hiawatha, Kansas address

Mature of Deposit Dry Accessibility Good

Status of Site Open site; not sampled

EXPLORATION DATA

CORRELATION DATA

Geological Age Quaternary
Geological Source Glacial Drift

Material similar to _____

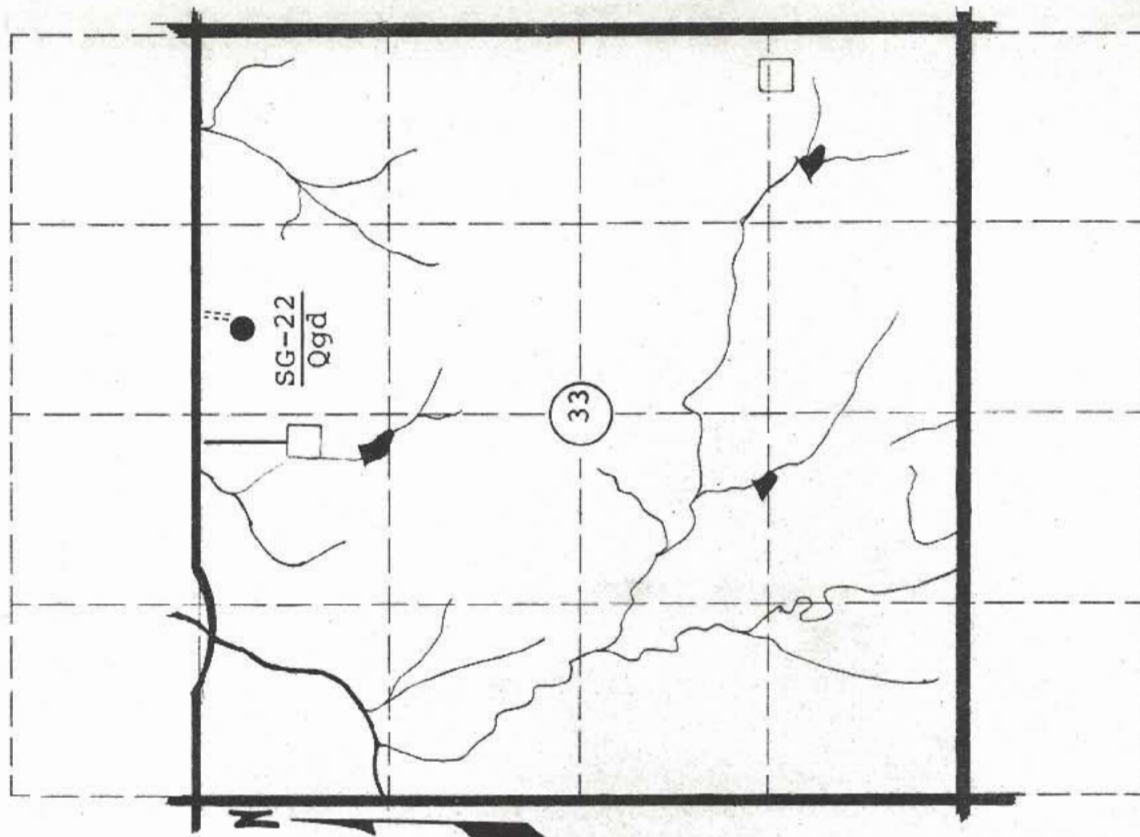
Specific Gravity (Sat.) _____ (Dry) _____

Los Angeles Year _____

Absorption _____ Soundness _____

	Mt. Cu. Ft.	Str. Ratio
1		
2		
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100		

Remarks



Scale: 1" = $\frac{1}{4}$ Mile

MATERIAL SURVEY REPORT

SG-23
Qgd Date January 1966

Material Sand and Gravel County Brown

Location NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 19 Twp. 3S Range 17E

Owner Dale L. Rhoades R. R. 3, Hiawatha, Kansas

name address

Dry Good

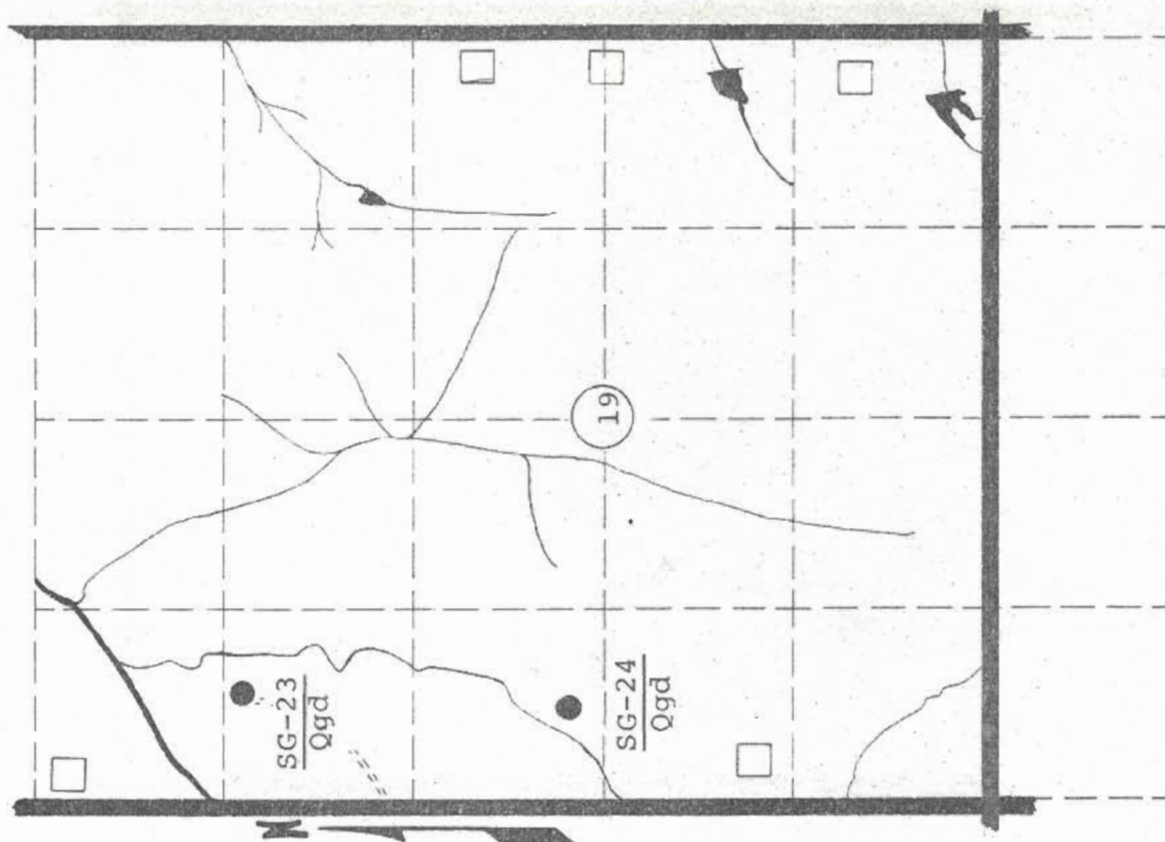
Nature of Deposit Accessibility

Status of Site Open site; not sampled

EXPLORATION DATA

CORRELATION DATA

Geological Age Quaternary
Geological Source Glacial Drift
Material Similar To _____
Specific Gravity (Sat.) _____ (Dry) _____
Los Angeles Wear _____
Absorption _____ Soundness _____
Wt. Cu.-Ft. _____ Str. Ratio _____
Remarks _____



Scale: 1" = $\frac{1}{4}$ Mile

MATERIAL SURVEY REPORT

SG-24
Qgd

Site No. _____ Date January 1966

Material Sand and Gravel County Brown

Location SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 19 Twp. 3S Range 17E

Owner Dale L. Rhoades et ux. R. R. 3, Hiawatha, Kansas

Mature of Deposit Dry name _____ address _____

Accessability Poor

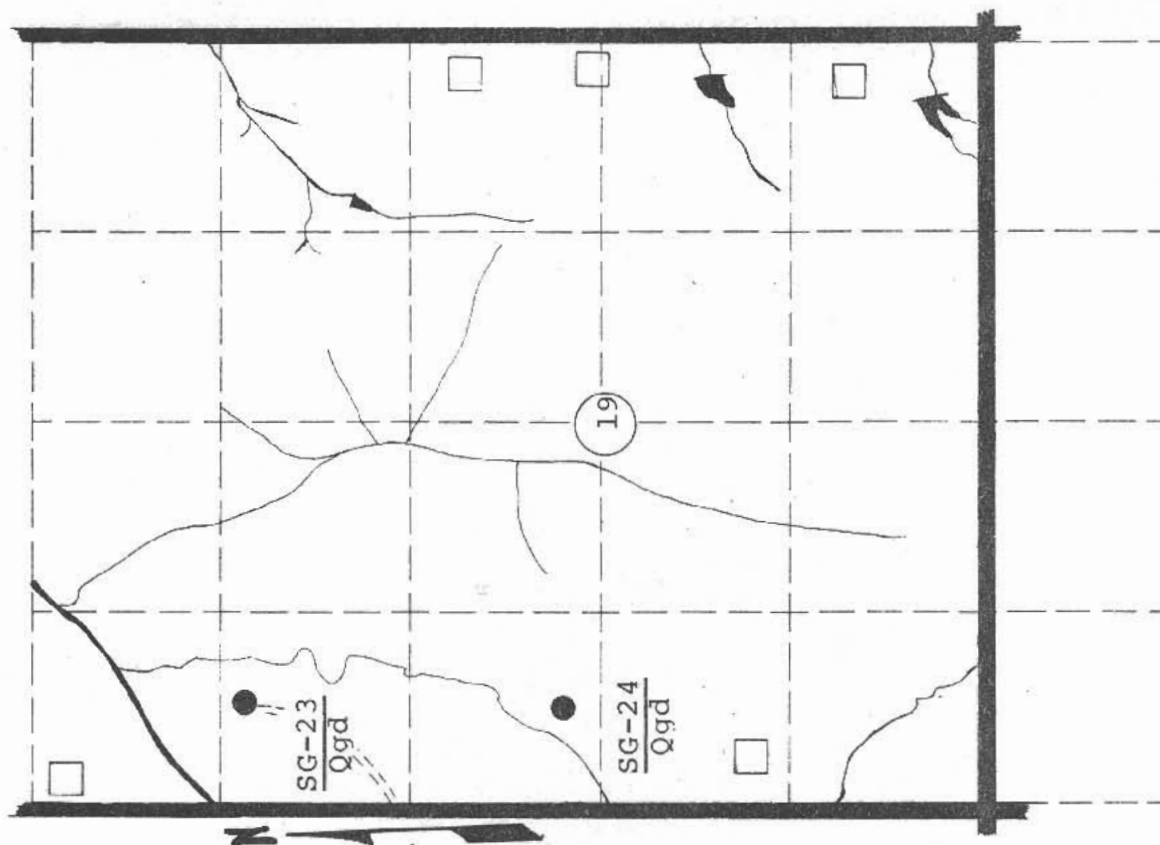
Status of Site Open site; not sampled

EXPLORATION DATA

[illegible]

CORRELATION DATA

Geological Age Quaternary
Geological Source Glacial Drift
Material Similar To _____
Specific Gravity (Sat.) _____ (Dry) _____
Los Angeles Wear _____
Absorption _____ Soundness _____
Wt. Cu.Ft. _____ Str. Ratio _____
Remarks _____



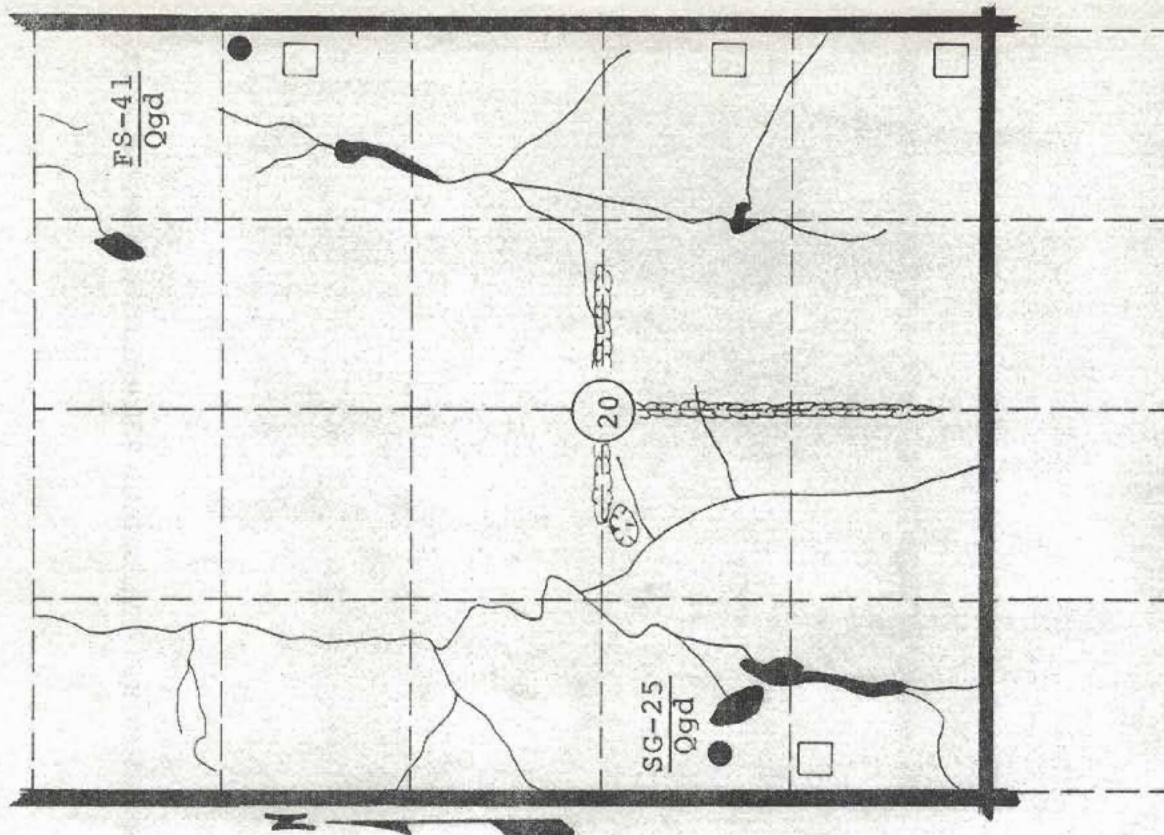
Scale: 1" = $\frac{1}{4}$ Mile

MATERIAL SURVEY REPORT

EXPLORATION DATA

CORRELATION DATA

Scale: 1" = $\frac{1}{4}$ Mile

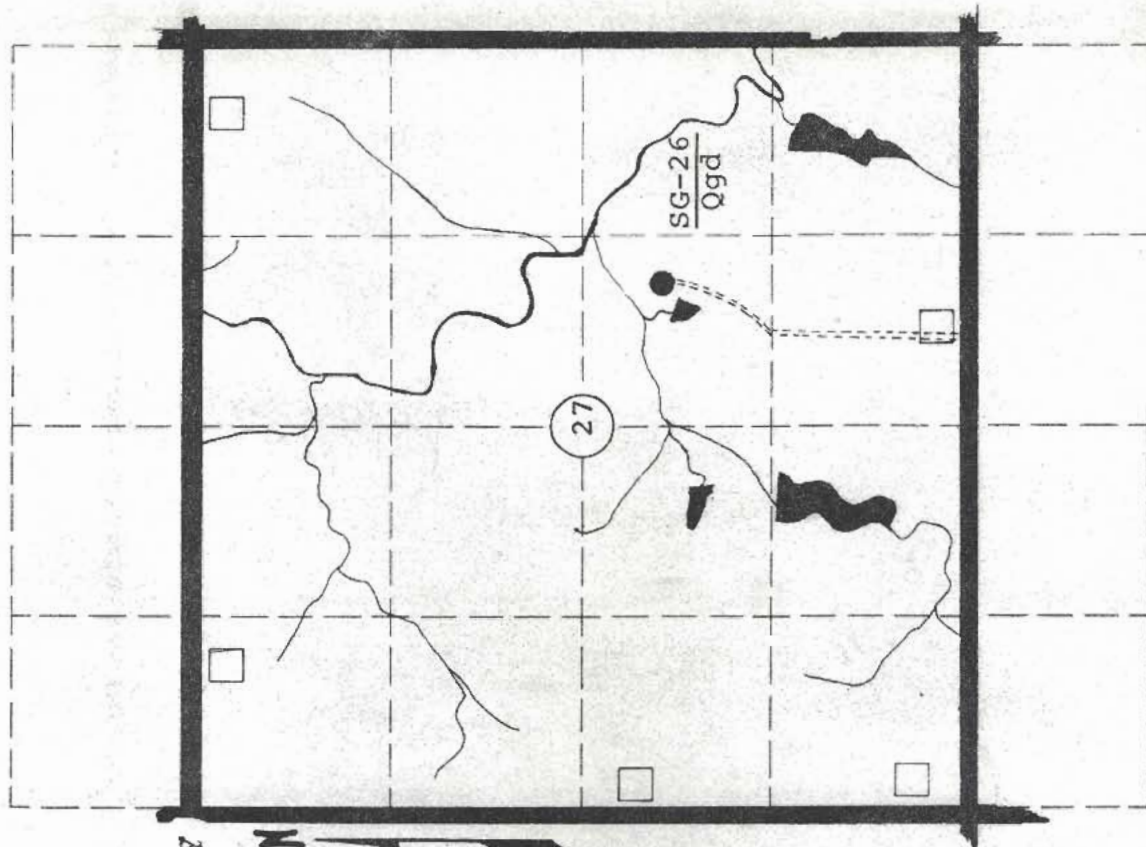


SG-26

Site No. Qgd Date January 1966
Material Sand and Gravel County Brown
Location NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 27 Twp. 25 Range 17E
Owner Lester G. Ziller 6139 Morningside Dr., Kansas C
Nature of Deposit Dry name Fair Accessibility Fair
Status of Site Open site; not sampled

CORRELATION DATA

Geological Age	Quaternary
Geological Source	Glacial Drift
Material Similar To	
Specific Gravity (Sat.)	(Dry)
Los Angeles Wear	
Absorption	Soundness
wt. Cu.Ft.	Str. Ratio
Remarks	



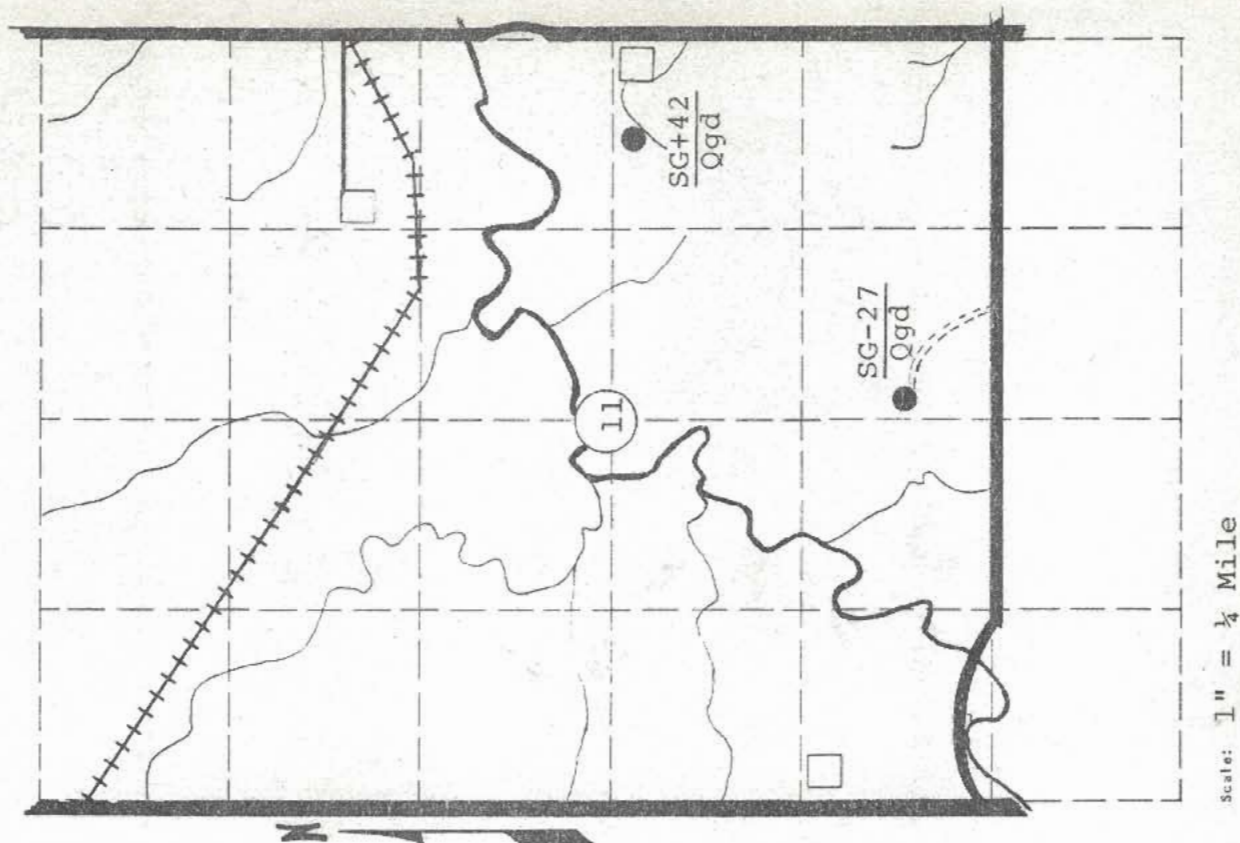
Scale: 1" = $\frac{1}{4}$ Mile

MATERIAL SURVEY REPORT

EXPLORATION DATA

CORRELATION DATA

Geological Age _____ Quaternary _____
Geological Source _____ Glacial Drift _____
Material Similar To _____
Specific Gravity (Sat.) _____ (Dry) _____
Los Angeles Wear _____
Absorption _____ Soundness _____
Wt. Cu.Ft. _____ Str. Ratio _____
Remarks _____



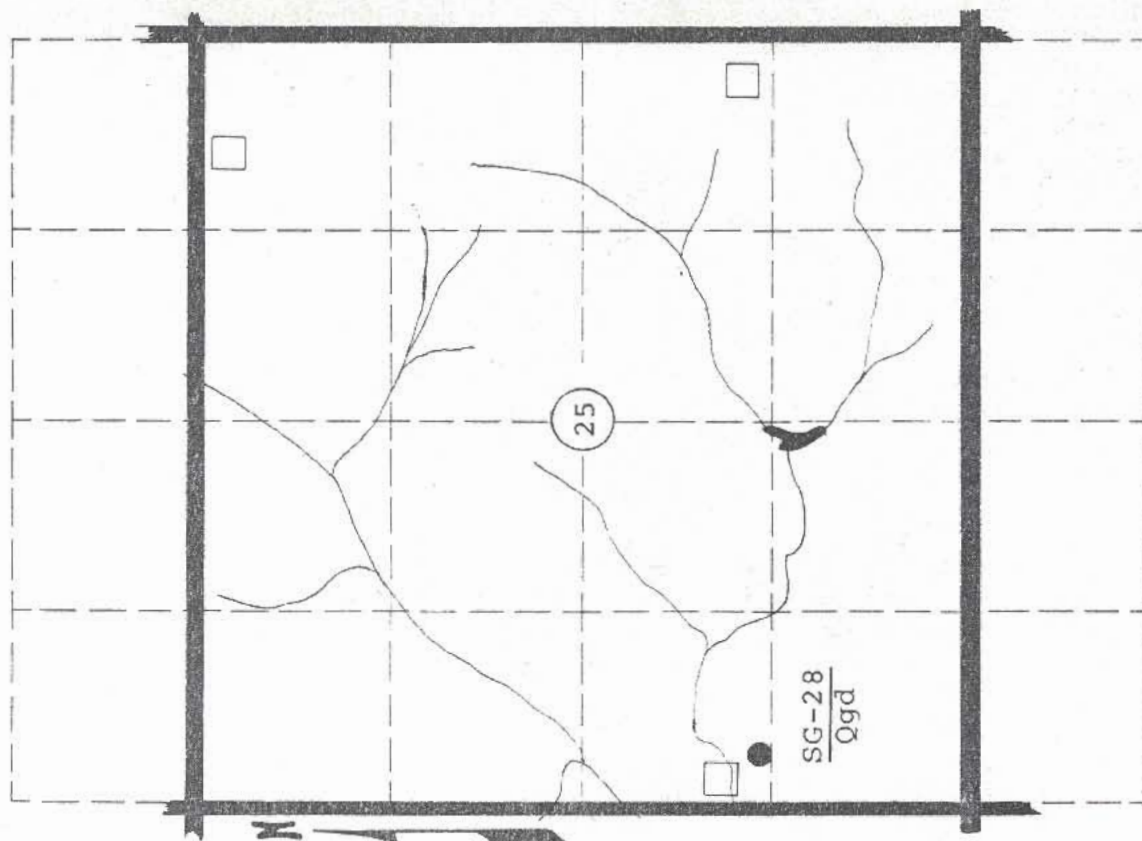
$$\frac{\text{SG-28}}{\text{Qqd}}$$

Site No. Q9d Date January 1966
 Material Sand and Gravel County Brown
 Location NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 25 Twp. 2S Range 17E
 Owner Merle M. Rake et ux. ^{name} R. R. 2, Hiawatha, Kansas
 Address
 Nature of Deposit Dry Accessibility Good
 Status of Site Open site; not sampled

EXPLORATION DATA

CORRELATION DATA

Geological Age Quaternary
Geological Source Glacial Drift
Material Similar To _____
Specific Gravity (Sat.) _____ (Dry) _____
Los Angeles Near _____
Absorption _____ Soundness _____
Wt. Cu.Ft. _____ Str. Ratio _____
Remarks _____



Scale: 1" = $\frac{1}{4}$ Mile

MATERIAL SURVEY REPORT

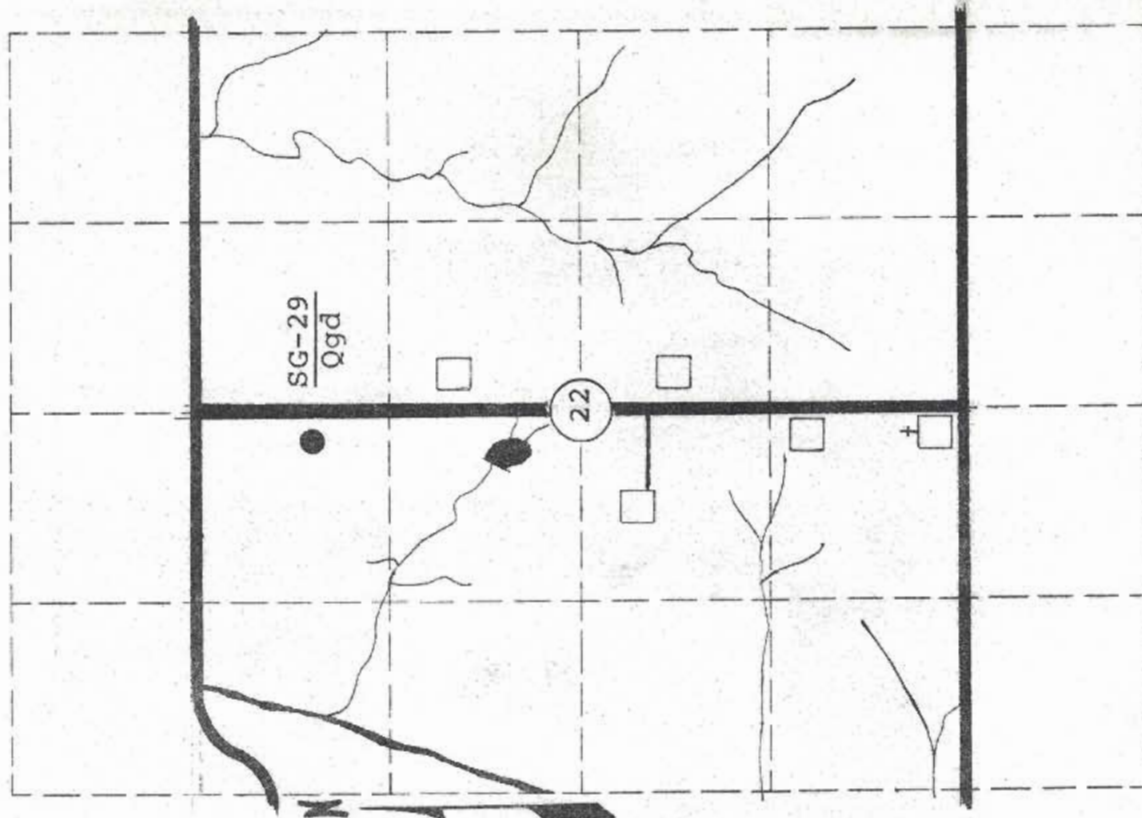
SG-29
 Site No. Qgd Date January 1966
 Material Sand and Gravel County Brown
 Location NE 1/4 NW 1/4 Sec. 22 Twp. 3S Range 18E
 Owner Benjamin H. Craige Robinson, Kansas
 address
 Nature of Deposit Dry Accessibility Good
 Status of Site Open site; not sampled

EXPLORATION DATA

Test Hole	Material at Bottom of Hole	Depth of over-Burden	Depth of Material	Percent Retained							Wash 200	G.F.	L.L.	P. I.		
				1 1/2	3/4	3/8	4	8	16	30					50	100
						</										

CORRELATION DATA

Geological Age Quaternary
 Geological Source Glacial Drift
 Material Similar To _____
 Specific Gravity (Sat.) _____ (dry)
 Los Angeles Wear _____
 Absorption _____ Soundness _____
 Wt. Cu.ft. _____ Str. Ratio _____
 Remarks _____



Scale: 1" = 1/4 Mile

MATERIAL SURVEY REPORT

SG-30
Qgd

Site No. _____ Date January 1966

Material Sand and Gravel County Brown

Location SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 15 Twp. 2S Range 18E

Owner Charles N. Blanc et ux. Robinson, Kansas
name address

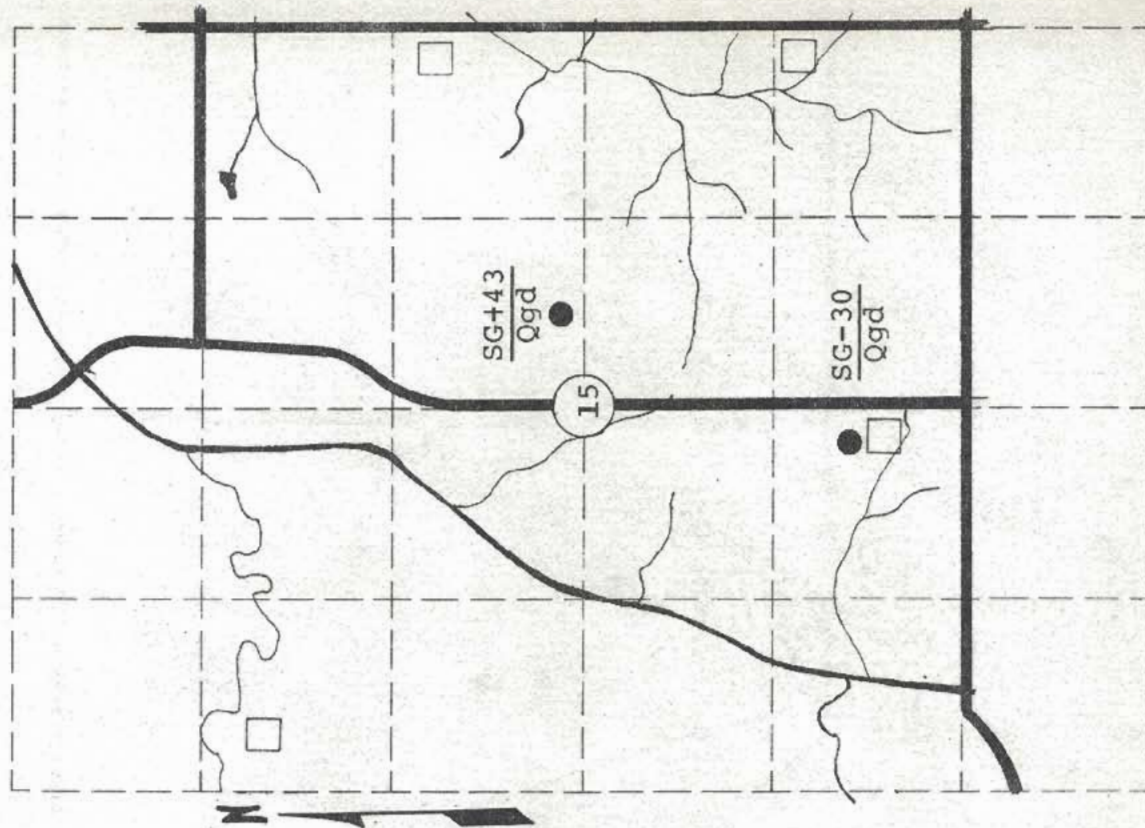
Nature of Deposit Dry Accessibility Fair

Status of Site Open site; not sampled

EXPLORATION DATA

CORRELATION DATA

Geological Age	Quaternary
Geological Source	Glacial Drift
Material Similar To	
Specific Gravity (Sat.)	(Dry)
Los Angeles Wear	
Absorption	Soundness
Wt. Cu.Ft.	Str. Ratio
Remarks	



Scale: 1" = $\frac{1}{4}$ Mile

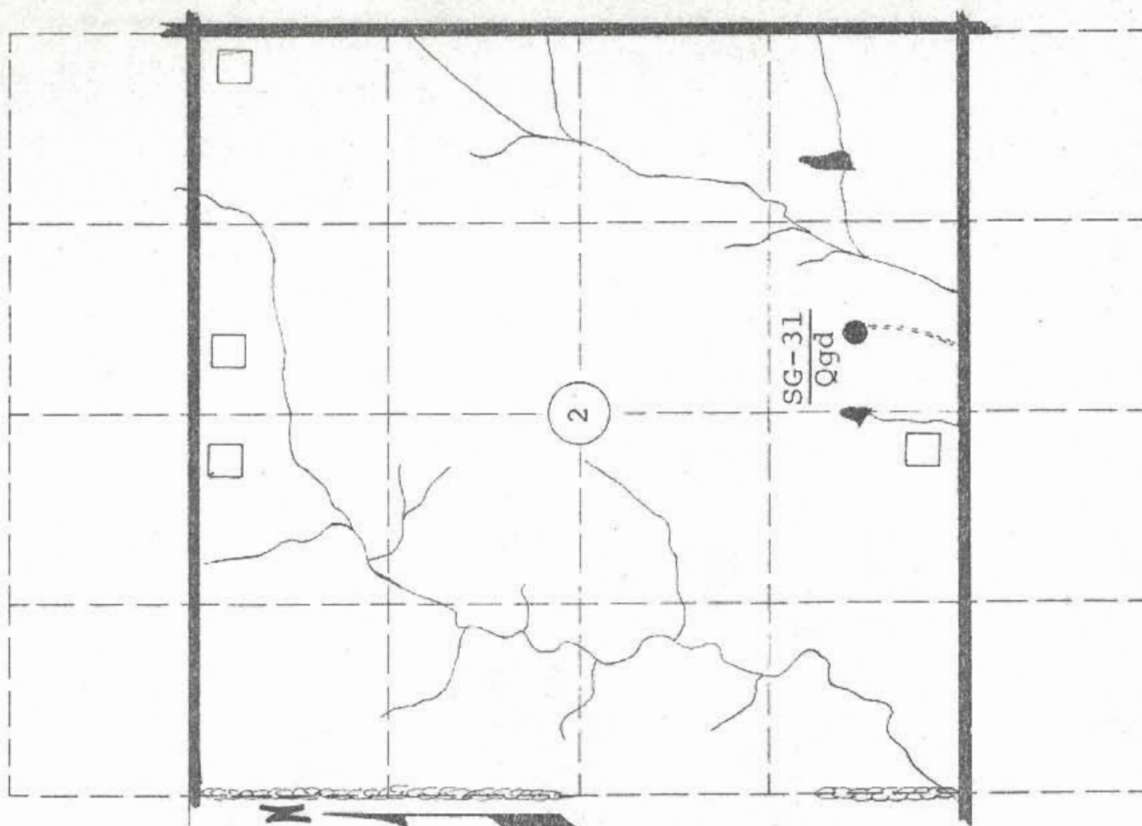
$$\frac{SG-31}{Qgd}$$

Site No. Qgd Date January 1966
Material Sand and Gravel County Brown
Location SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 2 Twp. 3S Range 18E
Owner Ben G. Wille et al. 404 Mojave, Hiawatha, Kansas
Mature of Deposit Dry name Fair address
Status of Site Open site; not sampled

EXPLORATION DATA

CORRELATION DATA

Geological Age	Quaternary
Geological Source	Glacial Drift
Material Similar To	
Specific Gravity (Sat.)	(Dry)
Los Angeles Wear	
Absorption	Soundness
Wt. Cu.ft.	Str. Ratio
Remarks	



Scale: 1" = $\frac{1}{4}$ Mile

MATERIAL SURVEY REPORT

SG-32
Qgd

Site No. _____ Date January 1966

Material Sand and Gravel County Brown

Location NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 29 Twp. 4S Range 15E

Owner Charley Stienbrink address Netawaka, Kansas

Nature of Deposit Dry Accessibility Good

Status of site Open site; not sampled

EXPLORATION DATA

CORRELATION DATA

Geological Age Quaternary
 Geological Source Glacial Drift
 Material Similar To _____

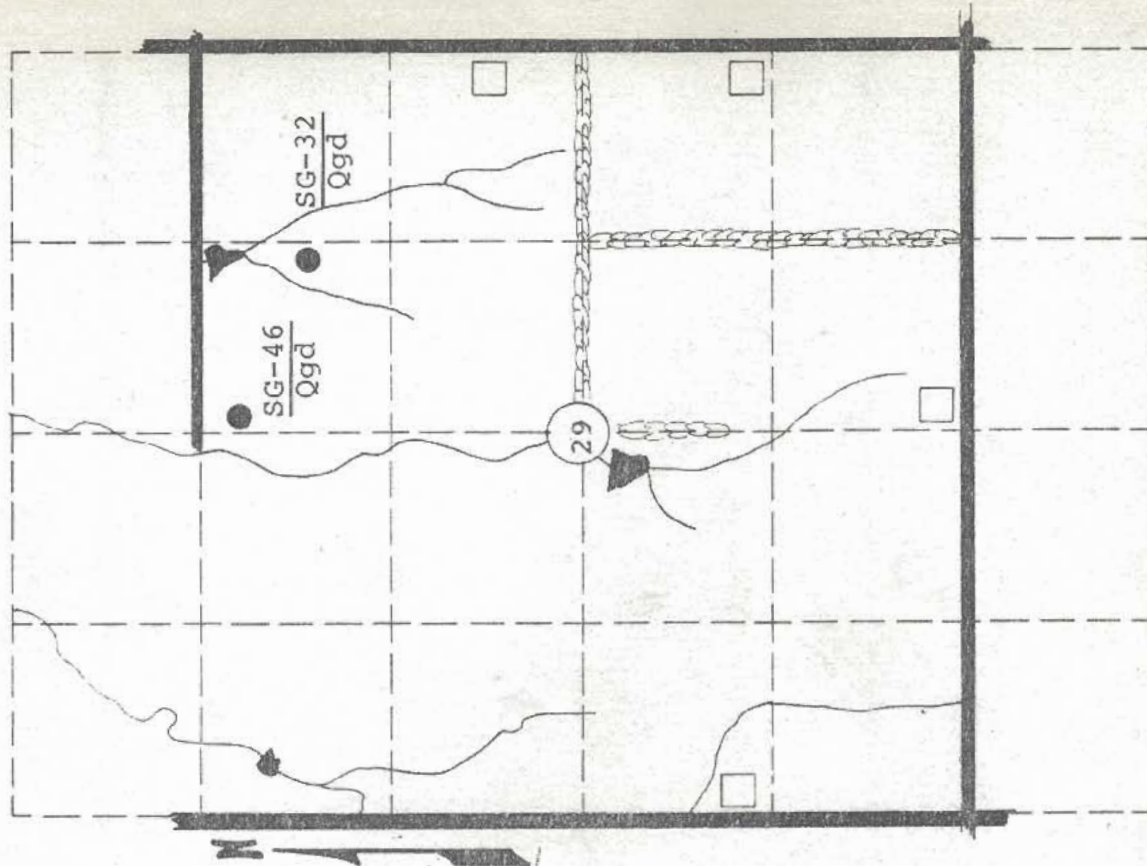
 Specific Gravity (Sat.) _____ (Dry) _____

 Los Angeles Wear _____

 Absorption _____ Soundness _____

 Wt. Cu. Ft. _____ Str. Ratio _____

 Remarks _____



Scale: 1" = $\frac{1}{4}$ Mile

MATERIAL SURVEY REPORT

FS-33

January 1966

Site No.

Fine Sand

Brown

SE $\frac{1}{4}$ NE $\frac{1}{4}$ Range 15E

Christian G. Finger

Netawaka, Kansas

0 2 1 0 0

Poor

Mature of Deposit

Accessibility

Open site; not sampled

Status of Site

EXPLORATION DATA

CORRELATION DATA

Quaternary

Geological Age

Glacial Drift

Geological Source

Material Similar To-

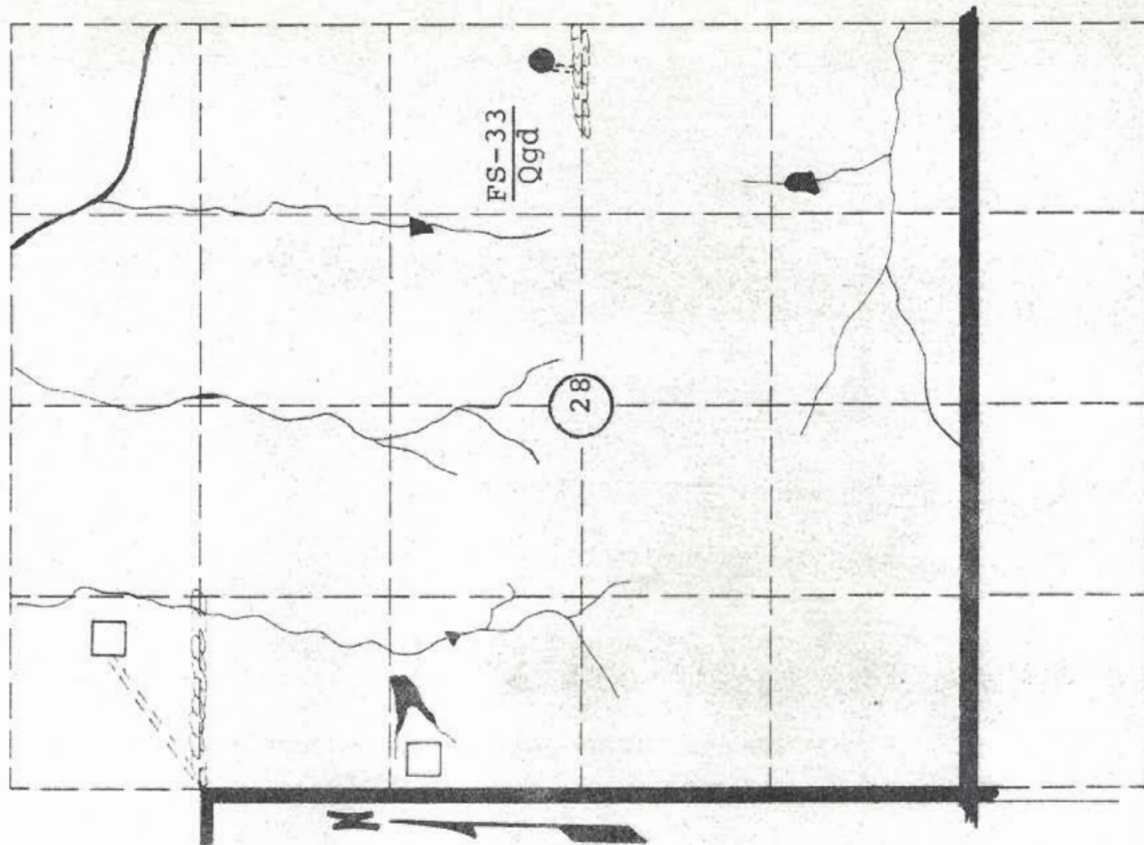
Specific Gravity (Sat.) _____ (Dry) _____

Los Angeles Wear.

Absorption _____ Soundness _____

wt. Cu. ft.	Str. Ratio.
100	1.00
200	1.00
300	1.00
400	1.00
500	1.00
600	1.00
700	1.00
800	1.00
900	1.00
1000	1.00
1100	1.00
1200	1.00
1300	1.00
1400	1.00
1500	1.00
1600	1.00
1700	1.00
1800	1.00
1900	1.00
2000	1.00
2100	1.00
2200	1.00
2300	1.00
2400	1.00
2500	1.00
2600	1.00
2700	1.00
2800	1.00
2900	1.00
3000	1.00
3100	1.00
3200	1.00
3300	1.00
3400	1.00
3500	1.00
3600	1.00
3700	1.00
3800	1.00
3900	1.00
4000	1.00
4100	1.00
4200	1.00
4300	1.00
4400	1.00
4500	1.00
4600	1.00
4700	1.00
4800	1.00
4900	1.00
5000	1.00
5100	1.00
5200	1.00
5300	1.00
5400	1.00
5500	1.00
5600	1.00
5700	1.00
5800	1.00
5900	1.00
6000	1.00
6100	1.00
6200	1.00
6300	1.00
6400	1.00
6500	1.00
6600	1.00
6700	1.00
6800	1.00
6900	1.00
7000	1.00
7100	1.00
7200	1.00
7300	1.00
7400	1.00
7500	1.00
7600	1.00
7700	1.00
7800	1.00
7900	1.00
8000	1.00
8100	1.00
8200	1.00
8300	1.00
8400	1.00
8500	1.00
8600	1.00
8700	1.00
8800	1.00
8900	1.00
9000	1.00
9100	1.00
9200	1.00
9300	1.00
9400	1.00
9500	1.00
9600	1.00
9700	1.00
9800	1.00
9900	1.00
10000	1.00

Remarks



Scale: 1" = $\frac{1}{4}$ Mile

MATERIAL SURVEY REPORT

CG-34
Tt

Site No. _____ Date January 1966

Material Chert Gravel County Brown

Location SW 1/4 SE 1/4 Sec. 10 Twp. 4S Range 15E

Owner A. P. Shintaffer 304. E. Main, Sabetha, Kansas
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 over- burden	Depth of Material	Percent Retained								Wash 200	G.F.	L.L.	P.L.	
				1 1/2	3/4	3/8	1/4	8	16	30	50					100
															</	

CORRELATION DATA

Geological Age Tertiary, Pliocene (?)

Geological Source High Terrace Deposit

Material Similar To _____

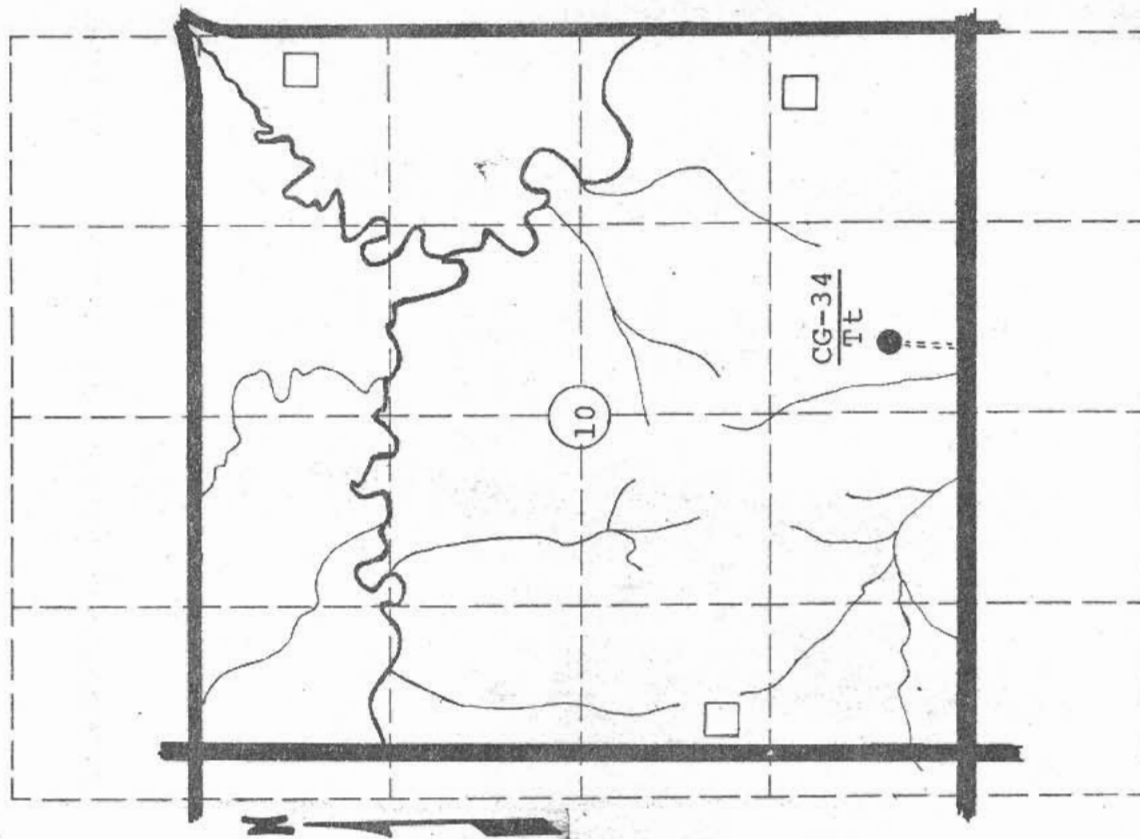
Specific Gravity (Sat.) _____ (Dry) _____

Los Angeles Wear _____

Absorption _____ Soundness _____

Wt. Cu.Ft. _____ Str. Ratio _____

Remarks _____



Scale: 1" = 1/4 Mile

MATERIAL SURVEY REPORT

EXPLORATION DATA

CORRELATION DATA

Specific Gravity (Sat.) _____ (Dry) _____

Los Angeles Wear _____ Soundness _____
Absorption _____

Wt. Cu. Ft.	Str. ratio.
100	1.00
200	1.00
300	1.00
400	1.00
500	1.00
600	1.00
700	1.00
800	1.00
900	1.00
1000	1.00
1100	1.00
1200	1.00
1300	1.00
1400	1.00
1500	1.00
1600	1.00
1700	1.00
1800	1.00
1900	1.00
2000	1.00
2100	1.00
2200	1.00
2300	1.00
2400	1.00
2500	1.00
2600	1.00
2700	1.00
2800	1.00
2900	1.00
3000	1.00
3100	1.00
3200	1.00
3300	1.00
3400	1.00
3500	1.00
3600	1.00
3700	1.00
3800	1.00
3900	1.00
4000	1.00
4100	1.00
4200	1.00
4300	1.00
4400	1.00
4500	1.00
4600	1.00
4700	1.00
4800	1.00
4900	1.00
5000	1.00
5100	1.00
5200	1.00
5300	1.00
5400	1.00
5500	1.00
5600	1.00
5700	1.00
5800	1.00
5900	1.00
6000	1.00
6100	1.00
6200	1.00
6300	1.00
6400	1.00
6500	1.00
6600	1.00
6700	1.00
6800	1.00
6900	1.00
7000	1.00
7100	1.00
7200	1.00
7300	1.00
7400	1.00
7500	1.00
7600	1.00
7700	1.00
7800	1.00
7900	1.00
8000	1.00
8100	1.00
8200	1.00
8300	1.00
8400	1.00
8500	1.00
8600	1.00
8700	1.00
8800	1.00
8900	1.00
9000	1.00
9100	1.00
9200	1.00
9300	1.00
9400	1.00
9500	1.00
9600	1.00
9700	1.00
9800	1.00
9900	1.00
10000	1.00

Remarks _____



MATERIAL SURVEY REPORT

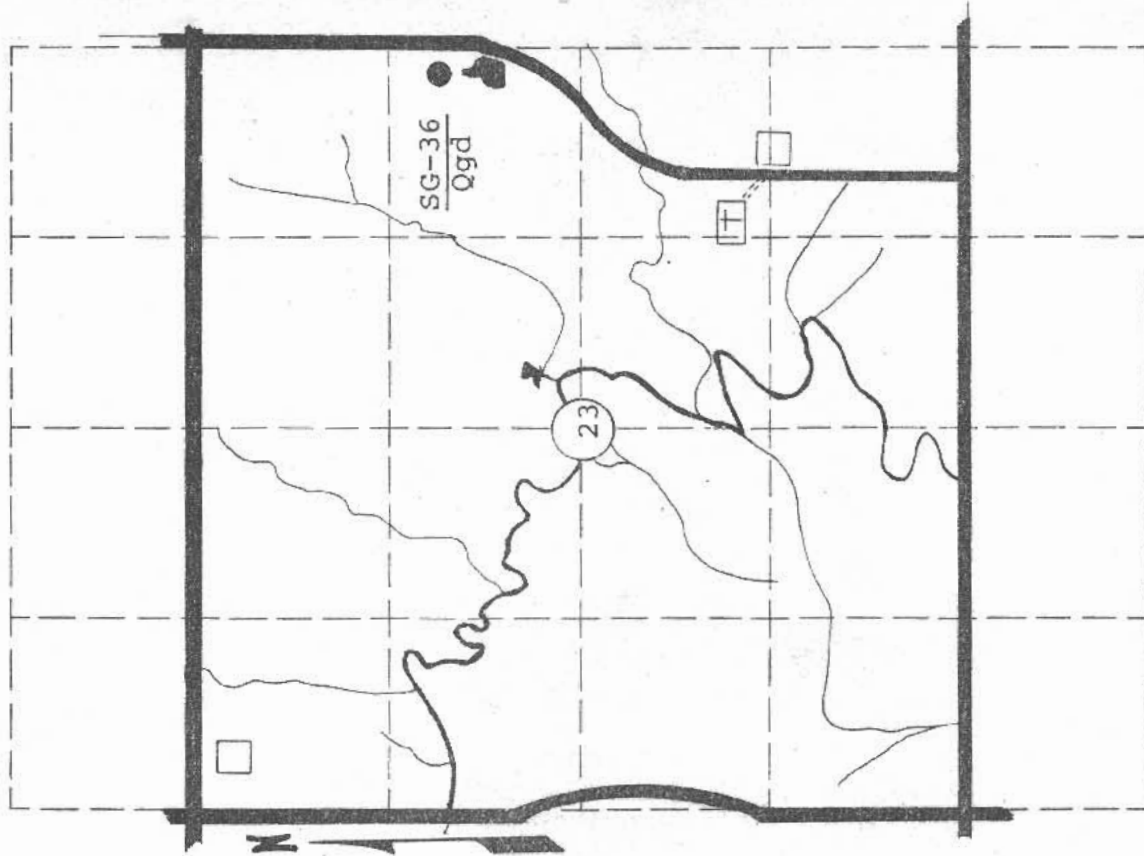
Site No. SG-36 Date January 1966
Qgd
 Material Sand and Gravel County Brown
 Location SE 1/4 NE 1/4 Sec. 23 Twp. 4S Range 18E
 Owner Boyd F. Davie, Jr. Everest, Kansas
 name address
 Nature of Deposit Dry Accessibility Good
 Status of Site Open site; not sampled

EXPLORATION DATA

Test Hole	Material at Bottom of Hole	Depth of over-burden	Depth of Material	Percent Retained								Wash 200	G.F.	L.L.	P.I.
				1 1/2	3/4	3/8	4	8	16	30	50				

CORRELATION DATA

Geological Age Quaternary
 Geological Source Glacial Drift
 Material Similar To _____
 Specific Gravity (Sat.) _____ (Dry) _____
 Los Angeles Wear _____
 Absorption _____ Soundness _____
 Wt. Cu.Ft. _____ Str. Ratio _____
 Remarks _____



Scale: 1" = 1/4 Mile

MATERIAL SURVEY REPORT

SG+37
Qgd

Site No. _____ Date January 1966

Material Sand and Gravel County Brown

Location NE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 14 Twp. 3S Range 18E

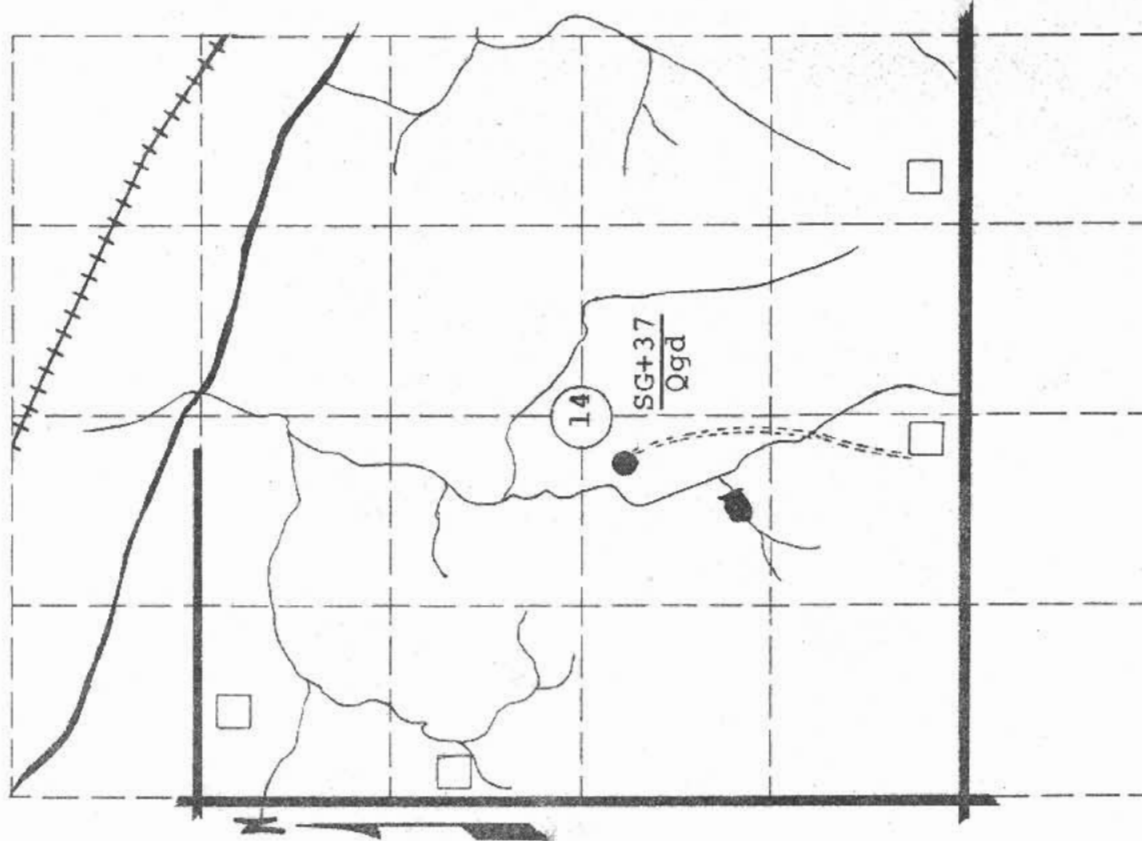
Owner Henry Knapple et al. Address _____

Nature of Deposit Dry Accessibility Fair

Status of Site Open site; not sampled

CORRELATION DATA

Geological Age Quaternary
Geological Source Glacial Drift
Material Similar To _____
Specific Gravity (Sat.) _____ (Dry) _____
Los Angeles Wear _____
Absorption _____ Soundness _____
Wt. Cu. Ft. _____ Str. Ratio _____
Remarks Material consist of clay-bound fine sand and gravel with some limestone and granite boulders.



Scale: 1" = $\frac{1}{4}$ Mile