

COUNTY Pottawattomie

LOCATION 9-11E-33ADA

DATE 8-22-67

PERFORMED BY U.S. Geological Survey

DISCHARGE 1090 gpm

LENGTH OF TEST 53 min

OF OBSERVATION WELLS ?

DISTANCE(S) TO PUMPING WELL :34'

WATER LEVEL = 22.2'

AQUIFER TYPE ALLUVIAL (Kansas River)

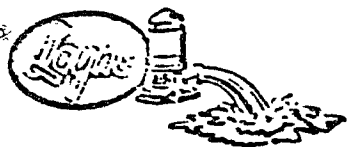
DEPTH OF TEST WELL ~60' ? - (sample log of area is given)

SCREEN ? probably in the coarse sand and gravel - 38'-48'

COMMENTS The RMS error is high and the correlation coefficient is very low. This analysis is not very good. - There is probably some problem with the original data.

COMPUTER ANALYSIS

METHOD	T (gpd/ft)	S	RMS error	r
THEIS	339,034	.0098	.661	.34' CC = .52
LEAKY	does not converge			.34'



TEST HOLE REPORT

Layne-Weber Company

Contract Name City of Manhattan

Job No. W-463- Date 9/23/68

City Manhattan State Kansas

Driller Honomichl
Bone

TEST HOLE

No. 5-68

Test Hole Location

Distance and Direction from Permanent Landmark or Previous Test Hole

TEST LOG

FROM	TO	MARSH FUNNEL VISCOSITY SECONDS	MUD PIT LOSS INCHES	Static Water Level <u>22.2</u> Measured
				<u> </u> Hours After Completion
				FORMATION
<u>0</u>	<u>3</u>			Soil
<u>3</u>	<u>13</u>			Brown silt
<u>13</u>	<u>15</u>			Fine sand
<u>15</u>	<u>17</u>			Brown silt
<u>17</u>	<u>28</u>			Med.to coarse sand & gravel (tan) (loose)
<u>28</u>	<u>38</u>			Med.to coarse sand & gravel (gray) (loose) (slightly d
<u>38</u>	<u>48</u>			Coarse sand & gravel w/numerous clay lenses (gray) (dirty)
<u>48</u>	<u>54</u>			Gray shale
				Set <u>20'</u> - 2" Perf. PVC
				<u>30'</u> - 2" Blank PVC
				<u>50'</u>
				Less <u>2'</u> above ground
				<u>48'</u>
				Pumped sample by gear pump

NOTES: Size of Pit X X DEEP

COUNTY

Pottawattomie

LOCATION

9-11E-33ABC

DATE

8-16-67

PERFORMED BY

U.S. Geological Survey

DISCHARGE

variable,

average = 890 gpm

LENGTH OF TEST

60 min, - 107 min recovery

OF OBSERVATION WELLS

none?

DISTANCE(S)

TO PUMPING WELL .34'

WATER LEVEL = 21'

AQUIFER TYPE

ALLUVIAL (KANSAS RIVER)

DEPTH OF TEST WELL

~60' ? - sample log in area is given

SCREEN

Z₀ probably in the coarse sand and gravel - 45'-68'

COMMENTS

The transmissivity value is low for the Kansas alluvium.

COMPUTER ANALYSIS

METHOD

T (gpd/ft)

S

RMS
error

r

REC

73,113

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.34'



TEST HOLE REPORT Layne-Western Company

Contract Name	City of Manhattan
Job No.	W-463
Date	Sept. 19, 1968
City	Manhattan
State	Kansas
Driller	Honomichl Bone

TEST HOLE
No. 3-68

Test Hole Location _____
Distance and Direction from Permanent Landmark or Previous Test Hole _____

TEST LOG

FROM	TO	MARSH FUNNEL VISCOSITY SECONDS	MUD PIT LOSS INCHES	Static Water Level _____ 21' _____ Measured _____ Hours After Completion
				FORMATION
0	3			Soil
3	28			Brown clay
28	35			Med. to coarse sand & gravel
35	45			Coarse sand & gravel (gray) (loose)
45	68			Coarse to very coarse sand & gravel w/numerous boulders (gray) (rough)
68	74			Gray shale
				Set Piezometer Pipe as follows:
				20' - 2" Perf. PVC
				50' - 2" Blank PVC
				70'
				Less 2' above ground
				68'
				Pumped with air and then pumped sample by gear pump.

NOTES: Size of Pit _____ X _____ X _____

9-194
November 1949



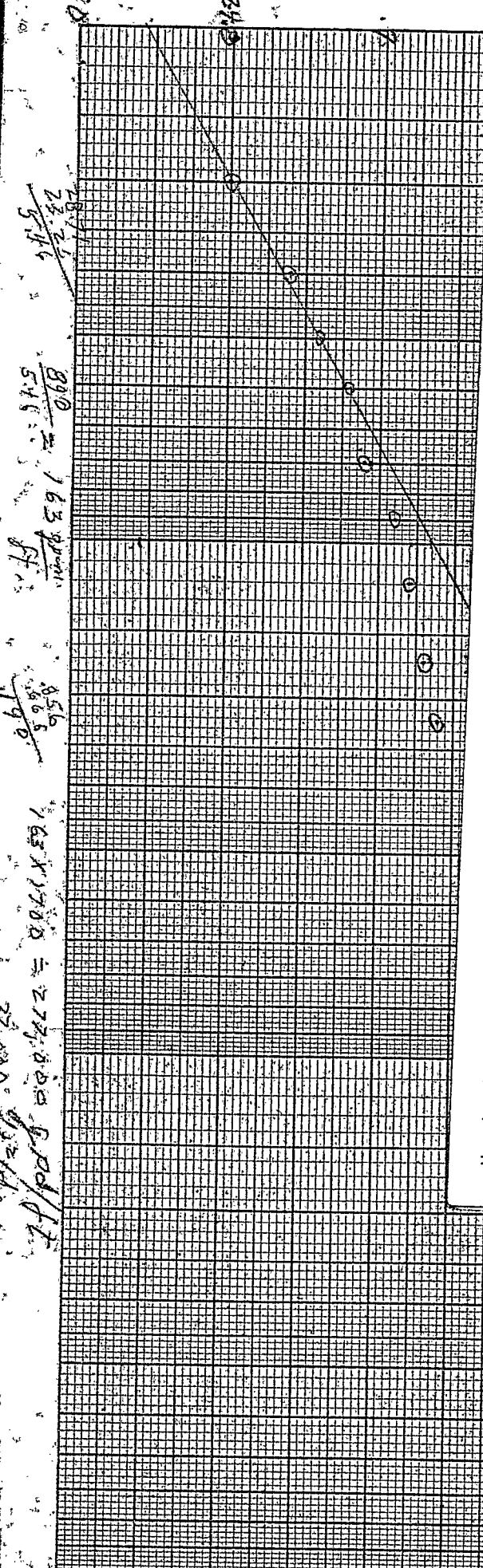
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

WATER LEVEL MEASUREMENTS (Field)

Measured by S W F

Location of Project Kms. R. Valley Pott Co.

DATE	HOUR C D T	WELL NO.	TAPE READING AT—		DEPTH TO WATER	REMARKS
			Meas. point	Water level		
8/16/67	12:29	9-11E 33abc	30	1.29	28.71	
	12:30	Pump off				
	:31	1	27	1.09	25.91	2.8
	:32	2	26	1.20	24.80	"
	:33	3	25	.24	24.76	3.95
	:34	4	25	.26	24.74	3.97
	:35	5	25	.28	24.72	3.99
	:37	1	25	.29	24.71	4.00
	:39	9		.31	24.69	4.02
	:42	12		.32	24.68	4.03
	:47	17		.33	24.67	4.05
	:52	22		.34	24.66	4.07
	2:17	107		.39	24.61	4.10
		(11)				dd = 4
						Rising



Handwritten notes and calculations on the right margin of the grid paper, including '16-330/10' and other numerical values.