IOWA GEOLOGICAL SURVEY
In Cooperation with U. S. Geological Survey
RECORD OF WELL

W12031

Location: KIMBALL AVE. AND IVANHOE ROAD (NE)
Town: WATERLOO (SW) County BLACKHAWK
NE NE SE SE sec. 34 T. 89 N., R. 13 (~~E~~) (W) Twp.

Well name and number

Owner CITY OF WATERLOO #17 Address

Tenant Address

Contractor THORPE WELL CO. Address 2340 SIXTH AVE. - DES MOINES, IOWA

Drillers ED L. FGER, ZON BROWER, WALLACE HANSEN

Drilling dates 1960

Well data:
Altitudes: Drilling curb feet; Land surface 951 feet

Determined by field ckd using 7½' topo (DLR)

Topographic position

Total depth: Reported 215' feet; Measured feet

Drilling method CABLE TOOLS

Hole and casing data 122' OF 24" CSG. +1' TO 121'
154' 8" OF 20" CSG. FROM +3' TO 151' 8"
70' OF 20" SCREEN 145' TO 215'

Original depth to water 116' ft. above below Date

Source of data

Sources of water: Principal _____

Others _____

PRODUCTION DATA

Date _____

Static water level 116'

Pumping water level _____

Yield (g.p.m.) 2330 TEMP. 50°F

Measuring point _____

Duration of pumping _____

Specific capacity _____

TL 1-84

LABORATORY DATA

Well No. W12031 Sample range 0-185 No. of samples 39

No. of dupls. and cond. 36 Cond Washed range 100-185

Samples prepared by Koch Date 5/17/60

Logged by NORTHUP Date 10/10/61

Correlations by _____ Date _____

R-1-8

THORPE WELL COMPANY

2340 SIXTH AVENUE
DES MOINES, IOWA

#12031

Drilled for Waterloo Water Works at Waterloo, Iowa

Well is located ____ miles N-E-S-W and ____ miles N-E-S-W from Kimball Ave. & Ivanhoe Rd.

in the ____ ¼ ____ ¼ Section ____ Township ____ Range ____

Drilling started ____ 19__ Completed ____ 19__

Well No. 17 Kind of Well Drilled Depth 215' Size hole started 30" in

Finish 19" G. P. M. 2330 Static Head 116' Pumping level from surface ____

Water was first encountered at 155' in ____ Approx. Amt. ____ Temp. 50°F

Remarks ____

(GIVE DETAILS OF PERFORATED PIPE AND SEALS)

RECORD OF PERMANENT PIPE					TEMPORARY PIPE	
SIZE PIPE	AMOUNT OF PIPE	DEPTH TO BOTTOM OF PIPE	DEPTH TO TOP OF PIPE	MAKE OF PIPE	SIZE PIPE	AMOUNT
24"	122'	121'	+1'-0"		30"	18'-4"
20"	154'-8"	151'-8"	+3'-0"		26"	63'-8"
20"screen	70'-0"	215'	145' (top 5' blank)			

Driller Ed L. Eger From Surface to 215' feet

Driller Zon Brower From 0 feet to 215' feet

Driller Wallace Hansen From 93' feet to 150' feet

AMOUNT IN FEET	KIND OF SOIL OR FORMATION (BE SPECIFIC)	TOTAL DEPTH FEET
2'	Topsoil	2'
15'	Sandy yellow clay. Boulders from 10' to 15'	17'
13'	Sandy blue clay	30'
5'	Blue clay & boulders	35'
25'	Sandy blue clay	60'
5'	Blue clay & b ulders	65'
37'	Sandy blue clay	102'
6'	Limestone	108'
22'	Broken limestone	130'
25'	Limestone, yellow clay streaks	155'
10'	Broken limestone, water	165'
11'	Hard limestone	176'
4'	Broken limestone	180'
5'	Hard limestone	185'
30'	Broken limestone, hard streaks @ 190', 204' & 211'. Bailed washed samples from 180' to 215'	215'