

Ankeny well folder  
W-19312

June 20, 1967

Mr. Orion Atchison  
Thorpe Well Company  
2340 Sixth Avenue  
Des Moines, Iowa 50313

Dear Mr. Atchison:

To verify our phone call, we wish to advise that the top of the Prairie du Chien in the new Ankeny well is at 2030. We recommend that drilling continue for approximately fifty feet into the Prairie du Chien to insure a good shut off of any water in the St. Peter and/or any fractures which might allow sand from the St. Peter to enter the well.

Please feel free to call again if you have any unanswered questions, or if we can be of further assistance.

Very truly yours,

H. G. Hershey

HGH-RCN/1

GW Ankeny Gen Data  
Polk Co.

August 4, 1967

MEMORANDUM

TO: Dr. H. G. Hershey  
FROM: Richard C. Northup  
RE: Ankeny City Well #4

The Ankeny City Well #5 (their second Jordan well) has reached total depth in the St. Lawrence at 2580'. Thorpe's driller brought in the final samples for us to check. I have picked the Jordan at 2460' and the St. Lawrence at 2515'. We now have a complete set of samples for this one. Mr. Erickson, of Veenstra and Kimm Engineering Company, of West Des Moines, is supposed to call us before they pump.

March 27, 1968

Mr. Robert Erickson  
Veenstra & Kimm Engineering Co.  
924 Fourth Street  
West Des Moines, Iowa 50265

Dear Mr. Erickson:

We have completed the examination of well  
cuttings from the Ankeny Town Well #5.

A copy of our geologic log is enclosed  
for your files.

Very truly yours,

H. G. Hershey

HGH/njc  
Enclosure

GW Ankeny well folder 1968  
Polk Co.

March 27, 1968

City Water Superintendent  
Ankeny, Iowa 50021

Dear Sir:

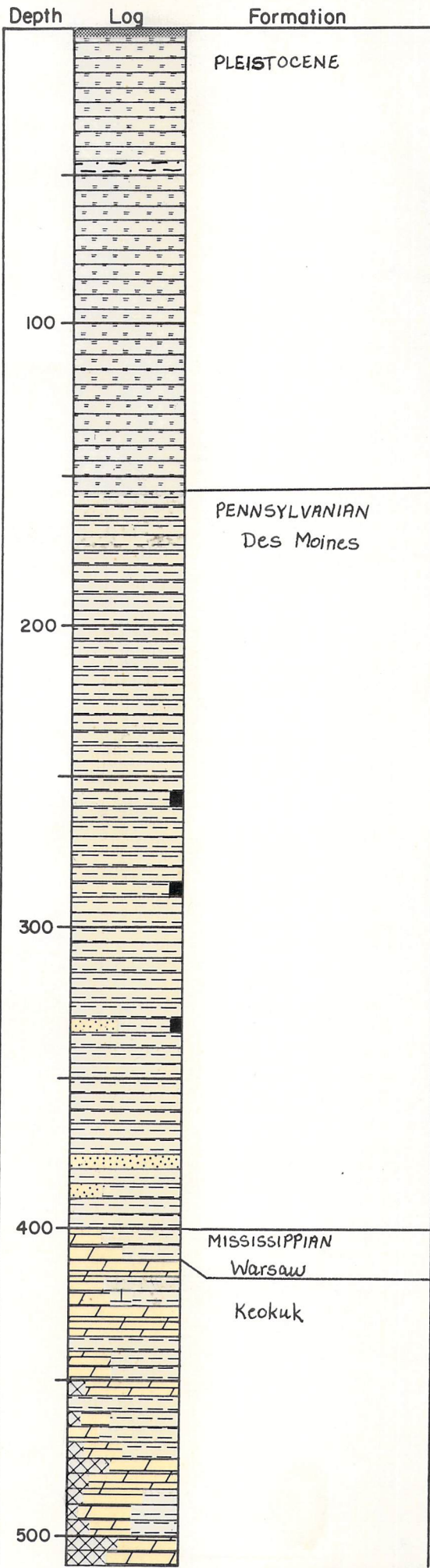
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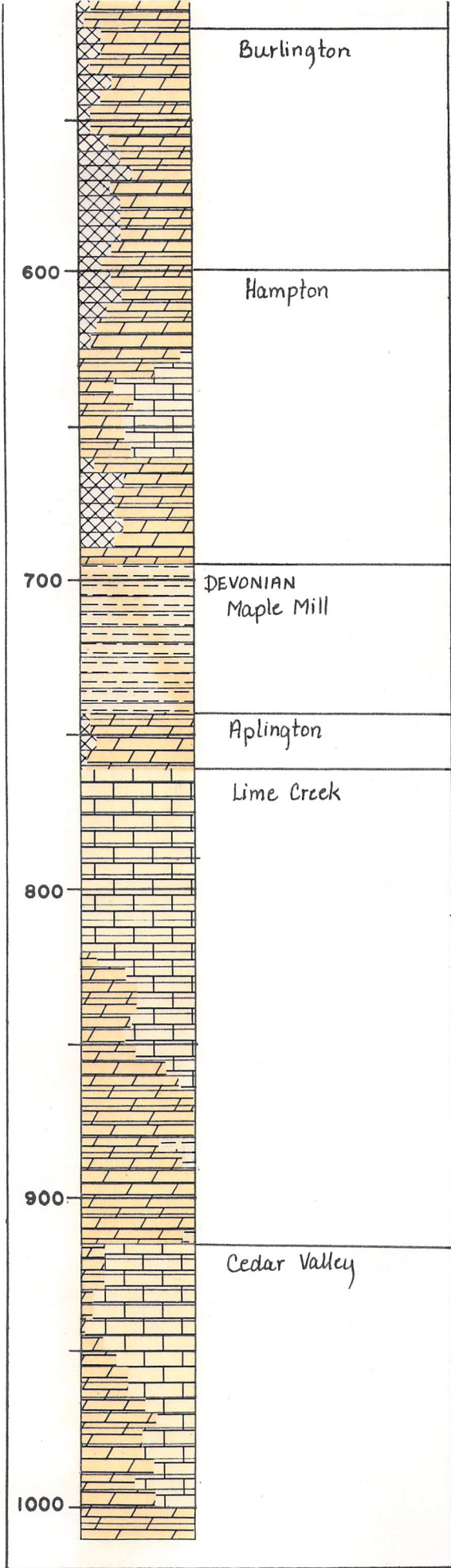
H. G. Hervey

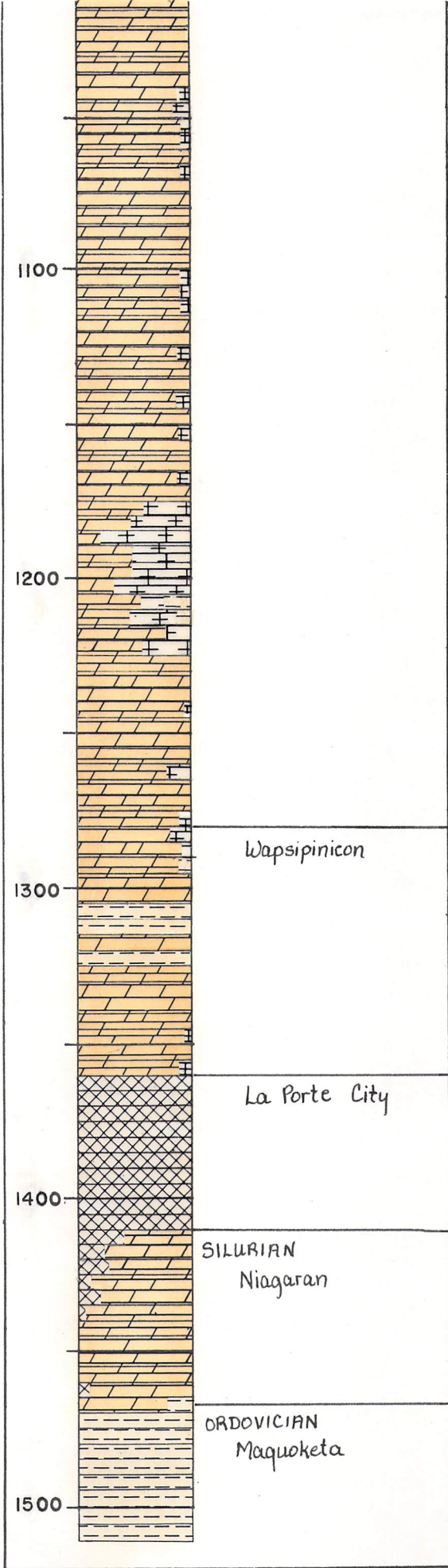
HGH/njc  
Enclosure

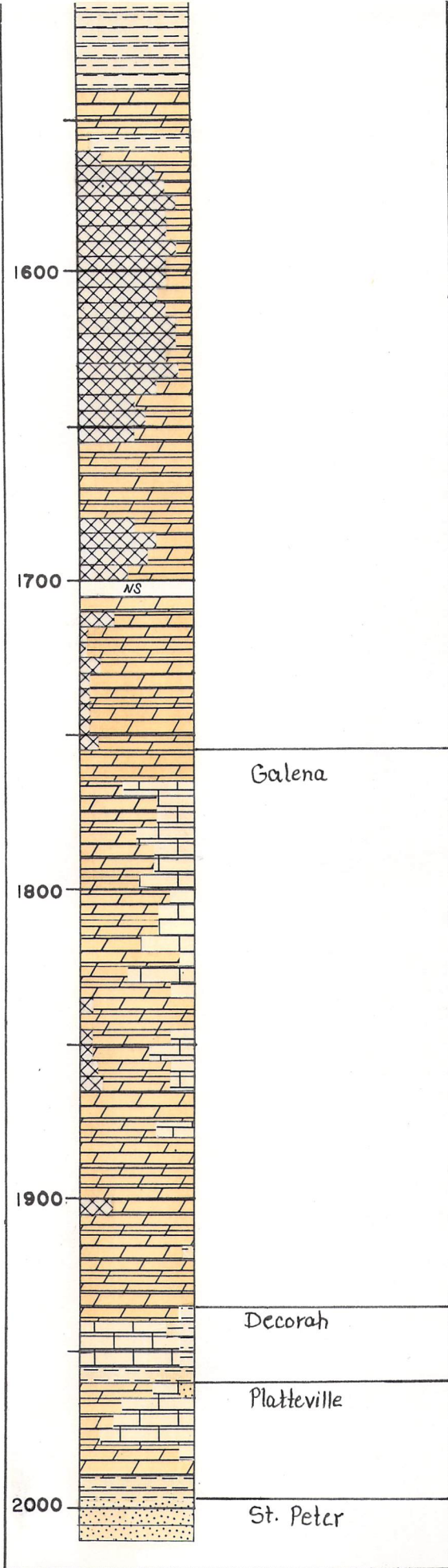


IOWA GEOLOGICAL SURVEY In Cooperation with U. S. GEOLOGICAL SURVEY Iowa City, Iowa		
Name ANKENY TOWN WELL #5	State IOWA	
Town ANKENY	County POLK	Loc. SE SE SW
Contractor THORPE WELL CO.	Driller	Sec. 14
Drilling Dates JAN. 16, 1967 - SEPT. 14, 1967		T. N., R. 80N. 24 W.
Casing Record		
167' 10" of 24" csg. + 1' 10" to 165' 10"		
481' of 20" csg. + 2' to 479'		
320' of 18" csg. 455' - 775'		
1330' of 12" 755' - 2085'		
S.W.L. 265'	G.P.M. 1200	D.D. 54'
Remarks WELL WAS NOT ACIDIZED		Elev. 970'
		T.D. 2580'
Logged By NORTHUP MARCH, 1968		I.G.S. No. W-19312

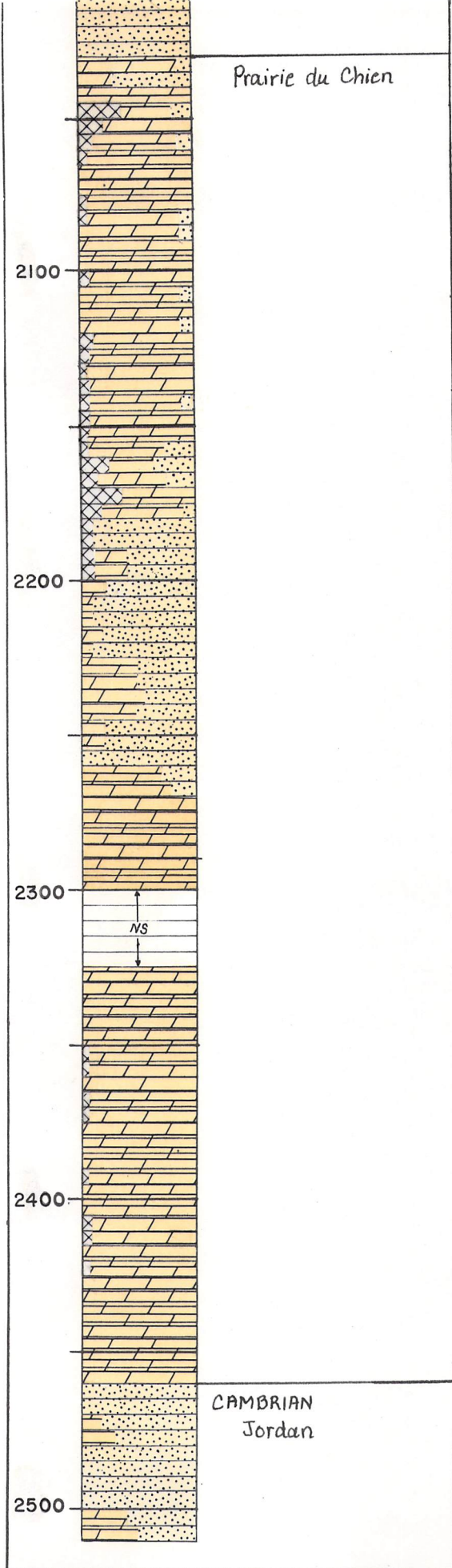
- Explanation of Colors
- Soil
  - Loess, Silt on Siltstone
  - Drift
  - Sand & Gravel
  - Shale
  - Sandstone
  - Limestone
  - Dolomite
  - Chert
  - Gypsum or Anhydrite
  - Coal
  - No Samples



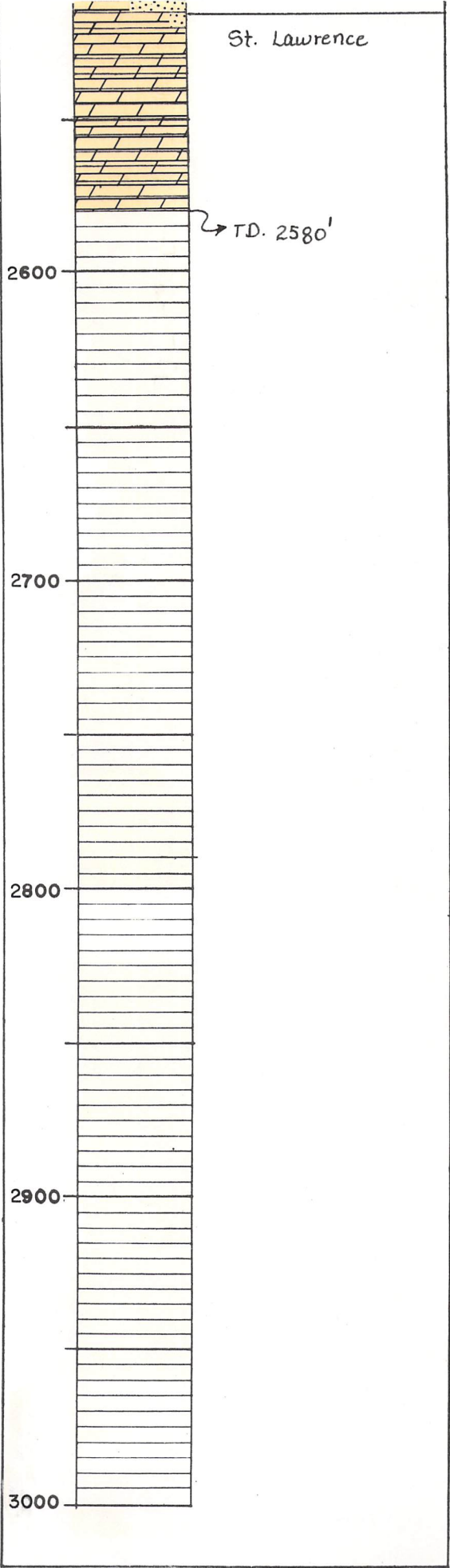








St. Lawrence



2600

2700

2800

2900

3000

TD. 2580'

W-19312

## DRILLER'S NOTEBOOK

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### WELL RECORD

Driller Thompson Well Co

Address Drs Moirns

IOWA

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Owner Ankang City (1967)

Tenant \_\_\_\_\_

Address \_\_\_\_\_

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RETURN TO  
**IOWA GEOLOGICAL SURVEY**  
IOWA CITY, IOWA

# WELL RECORD

Well is located \_\_\_\_\_ miles S and \_\_\_\_\_ miles S from  
N E  
E E  
W W

ANNEX in POIK  
(Nearest Town) (County)

in the SE  $\frac{1}{4}$  SW  $\frac{1}{4}$  Sec. 19 T. 80N R. 24W

Owner CITY OF ANNEX Well No. \_\_\_\_\_

Postoffice address ANNEX, IOWA

Contractor THORPE WELL CO.

Address DAS MOINES

Driller DICK NICOLE - "R.O." LAMBERT

Well begun 1116, 1967;

completed \_\_\_\_\_, 19\_\_\_\_

Rig used Cable, Rotary, Jet, or \_\_\_\_\_

Depth of well \_\_\_\_\_  
(Feet)

Size of hole (note total amount of each size) \_\_\_\_\_

Main water supply at \_\_\_\_\_  
(Feet below surface)

Final water head \_\_\_\_\_  
(Feet above or below surface)

Is well pumped? \_\_\_\_\_

Yield \_\_\_\_\_  
(Gallons per minute)

Water level when pumping \_\_\_\_\_

Position of well \_\_\_\_\_  
(Upland, valley, side hill, etc.)

# RECORD OF PERMANENT CASING

Size Pipe	Amount of Pipe	Depth to Bottom of Pipe	Depth to Top of Pipe	Type <sup>o</sup> and Weight of Pipe	DIAGRAM OF WELL
24"	167' 8"	165' 10"	1' 10"		
20"	481'	479'	2'		
18"	320'	775'	455'		

<sup>o</sup>As cast, wrought iron, steel, concrete, etc.

Is screen used?----- Diameter-----  
(Inches)

Length----- Depth to bottom-----  
(Feet)

Depth to top----- Slot size-----

Are packers or seals used?-----

Kind -----

Where used-----

Kind of pump----- Dia.-----  
(Inches)

Capacity of pump-----  
(g.p.m.)

Power used-----  
(Kind and amount)

Depth to bottom of pump line-----feet,  
including-----feet tailpiece.

Remarks on construction of well-----  
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SAMPLE NO.	DEPTH		THICKNESS
	From	To	
	0	2	
	2	12	
	12	50	
	50	66	
	66	95	
	95	115	
	115	118	
	118	140	
	140	160	
	160	165	
	165	175	
	175	185	
	185	200	
	200	210	
	210	216	
	216	230	
	230	270	

DESCRIPTION OF BEDS
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
Top soil
Yellow clay
Gray clay
Gray clay & Gravel
Clay Yellow
Clay Gray
SAND
Clay, Gray, SAND
Clay, Gray w/ sand in gravel
Slate Gray w/ Red streak
Slate Red
Slate Gray, SAND
" " , LIGHT
" " , DARK
" " , LIGHT
Slate Gray RED
Slate Gray

SAMPLE NO.	DEPTH		THICKNESS
	From	To	
	270	282	
	282	283	
	283	301	
	301	309	
	309	340	
	340	346	
	346	362	
	362	366	
	366	368	
	368	375	
	375	392	
	392	398	
	398	405	
	405	424	
	424	436	
	436	445	
	445	464	

DESCRIPTION OF BEDS
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
Shale Gray, Dark
Coal
Shale Dark Gray
Lime Shells
Shale dk. Gray w/ Lime Shells
Shale dk. Gray
Shale Black
Shale Brown
Lime, Hard
Shale Gray
Lime Shells
Lime Hard
Shale Gray
Lime Shells
Lime, sandy Hard
Shale Brown
Shale Brown w/ Lime Shells

