

16412

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

Location: NAME

Town: LACONA (NE) County WARREN
 (SW)
 Sec. 27, T. 74, N., R. 22 (E) Twp.
 (W)

Well name and number _____

Owner LACONA TOWN WELL (1964) Address LACONA

Tenant _____ Address _____

Contractor ART BRUNERDOL Address PELIA, IOWA

Drillers _____

Drilling dates April 1964

Well data:

Altitudes: Drilling curb _____ feet; Land surface _____ feet

Determined by _____

Topographic position _____

Total depth: Reported 38' 10" feet; Measured _____ feet

Drilling method CABLE TOOLS

Hole and casing data _____

Original depth to water _____ ft. above _____ below _____ Date _____

Source of data _____

Sources of water: Principal _____
Others _____

PRODUCTION DATA

Date _____
Static water level _____
Pumping water level _____
Yield (g.p.m.) _____
Measuring point _____
Duration of pumping _____
Specific capacity _____

LABORATORY DATA

7L5-512

Well No. #16412 Sample range 0-38 No. of samples 8
No. of dupls. and cond. None Washed range —
Samples prepared by Bud Scheetz Date 5-25-64
Logged by Nortrup Date 6/10/66
Correlations by " Date 6/10/66

GW Warren Co. GA.

GEOLOGICAL BOARD

Robert D. Ray, Chairman
Governor of Iowa

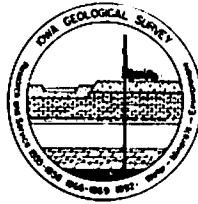
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STATE OF IOWA
IOWA GEOLOGICAL SURVEY
123 NORTH CAPITOL STREET
IOWA CITY, IOWA 52242
Phone: (319) 338-1173



Iowa
a place to grow

Stanley C. Grant
Director and State Geologist

Orville J. Van Eck
Associate State Geologist

Donald L. Koch
Assistant State Geologist

May 4, 1976

Mr. Allen Munsterman
Veenstra & Kimm
924 4th Street
West Des Moines, Iowa 50265

Dear Mr. Munsterman:

Enclosed are the Iowa Geological Survey logs of the Lacona, Iowa town wells as interpreted from the driller's sample cuttings. Construction records are shown on the logs.

The principal source of water supply in both wells is the gravel bed at the base of the unconsolidated Pleistocene materials at 30-39 feet in the older well and at 33-39' in the newer well.

I trust this is the information you wished. If any questions remain or if I can be of additional assistance in this matter, kindly let me know.

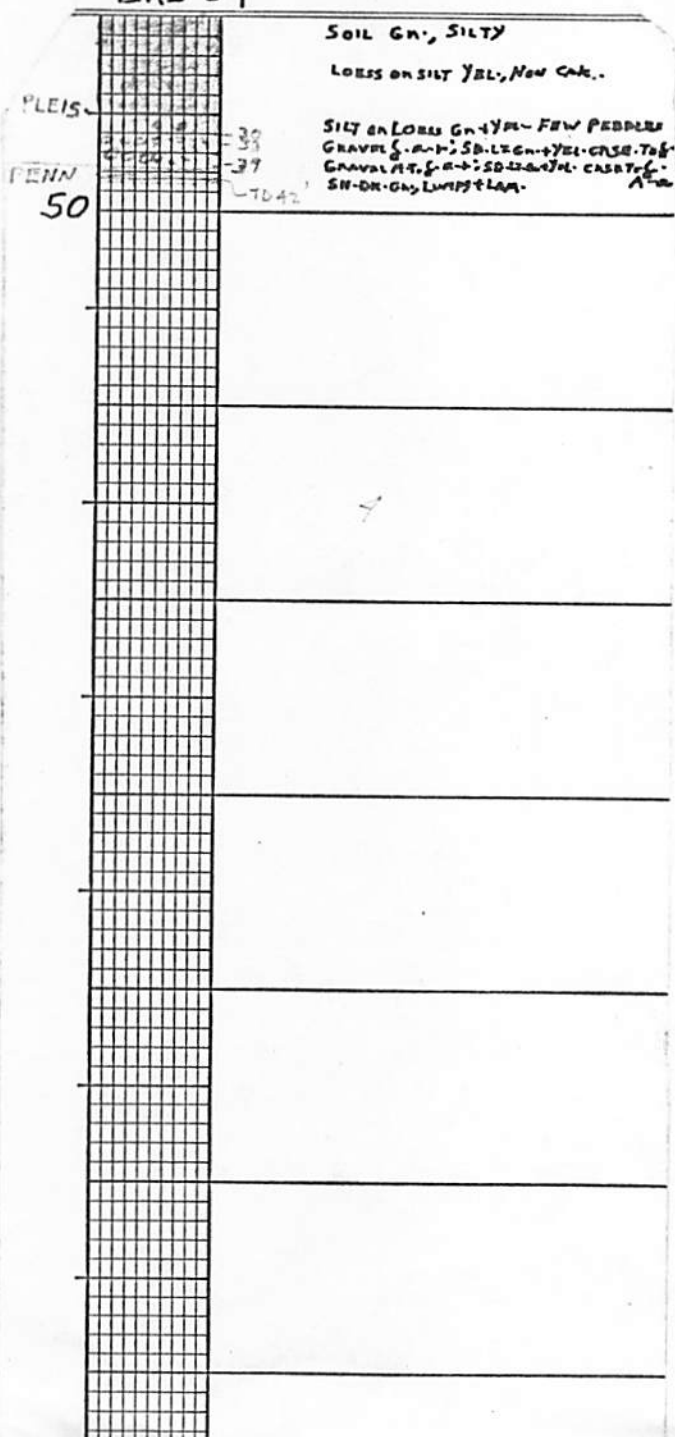
Very truly yours,

Paul J. Horick
Chief, Groundwater Division

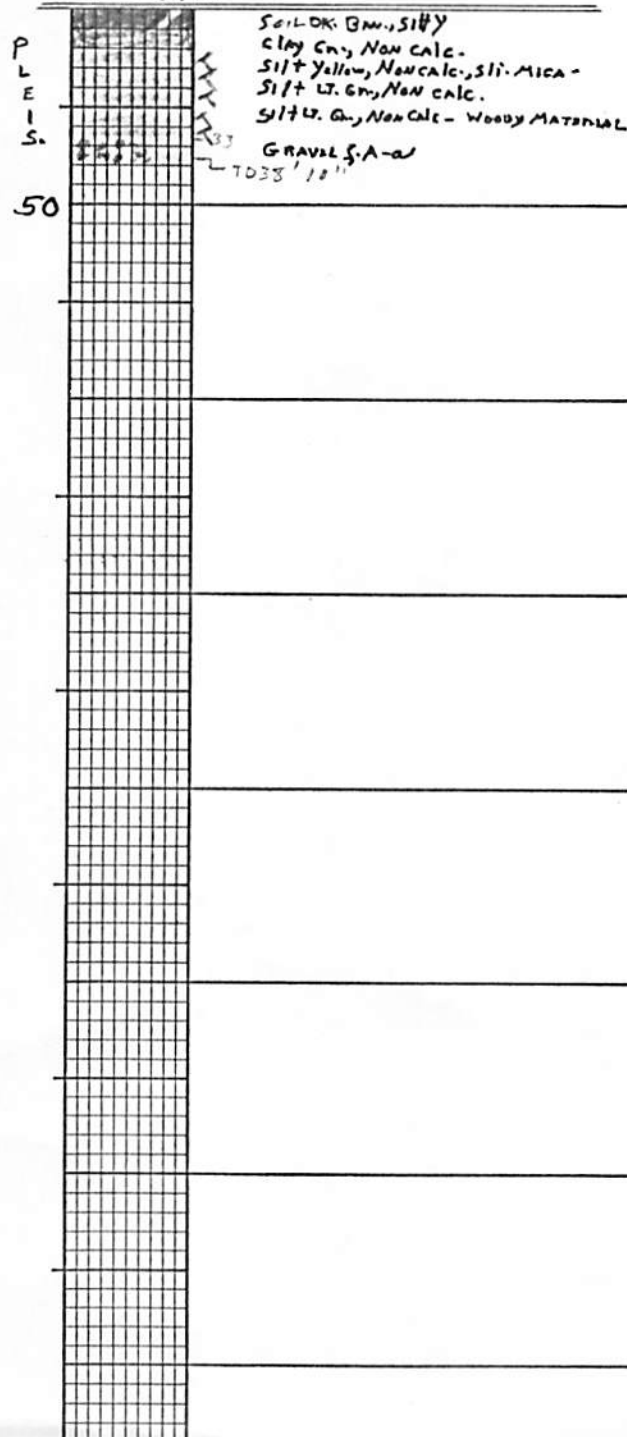
PJH:kk

encls:

STATE IOWA		LACONA (WARREN)	
SE, SE, SW		TOWN OF LACONA	
SEC. 22			
TWP. 74N	RGE. 22W	COMMENCED	COMPLETED
		SEPT. 25-28, 1955	
		ART BRUINEKOO	
		CASING RECORD	
		43' OF 7" CASING SET @ 35'	
		SCREEN: 4' of 6" DIAM. SCREEN FROM	
		35'-39'	
		LOGGED	BY
		NOV. 6, 1956	NORTHUP
REMARKS			
EL 826 RAK.			
TD 42'		SWL 15' 6"	
		PL 33' @ 50 GPM	
		MAIN WATER 35'-39'	
EK3-3			



STATE IOWA		LACONA (WARREN)	
SE, SE, SW		LACONA TOWN WELL (1964)	
SEC. 22			
TWP. 74N	RGE. 22W	COMMENCED	COMPLETED
		APRIL 1964	
		ART BRUINEKOO	
		CASING RECORD	
		34' 10" OF 6" CSE.	
		4' OF 6" SCREEN	
		LOGGED	BY
		JUNE 10, 1966	NORTHUP
REMARKS			
EL 826 RAK			
TD 38' 10"		SWL 17.5'	
		PWL 32.1'	
J. Prior		@ 50 gpm	
6-20-66			
TL5-512			



Paul

May 3, 1976

Allen Munsterman
Veenstra and Kimm

Looking for information about the two shallow wells that Lacona has

Both about 45 feet deep, drilled in 1955 and 1964. The screen has collapsed in one of them.

Need log and construction details, if we have them.

OR

W-16412

Lacونا Town well #2

1/4 mile East of Lacونا

Art Brunckow

Dated 4-8-64

Cash Tool.

0-5 top sand
5-10 " "
10-15 yellow clay
15-20 Blue clay
20-25 Blue clay
25-30 Sandy blue clay
30-33 Dirty sand
33-38'10" Sand

Casing Total 42' 11" - 4' above ground

Casing 38' 10" from surface to bottom sand

7' 2" Screen & pipe

Length Screen 4' Slot size 60

Kind of pump - Submersible Head 3 3/4"

Capacity of pump - 45 gpm

Depth to bottom of pump line - 34' (does not include tailpiece)

JWC

DRILLER'S NOTEBOOK

WELL RECORD

Driller

Address

16412

Owner

Address

RETURN TO

IOWA GEOLOGICAL SURVEY
IOWA CITY, IOWA

WHEN RECORD IS COMPLETED PUT IN ENVELOPE AND MAIL TO

THE DIRECTOR

IOWA GEOLOGICAL SURVEY

IOWA CITY, IOWA

DRILLER'S NOTE

It is important that a driller's notebook, filled out as completely as possible, be sent to the Iowa Geological Survey at the completion of each hole. A number of drillers have found it convenient to string samples from a single well on a heavy wire and attach the log book to them. A hole has been punched in the log book for this purpose.

Sample sacks and log books will be furnished by the Geological Survey. A copy of the log book will be made and returned if desired by the driller.

SUGGESTIONS TO DRILLERS

1. Samples should be taken from each bed passed through, and never more than 5 feet apart, even in the same bed.

2. Samples should not be washed, except to remove excess drilling mud, as washed samples may give a wrong idea of the character of the bed.

3. Fill out the label on each sample bag with the name of the well and the depth interval which the sample represents.

4. Make frequent use of the "Description" column to explain the material being drilled.

5. Note depth and thickness of all water-bearing layers.

6. Note the quality of the water from each layer: as hard, soft, salty, alkaline, or sulphur bearing.

7. Note height to which water from each layer rises in well, and give flow or capacity in gallons per minute.

8. Fossils, such as oyster, clam, and other shells, are important and should be placed in bags with the material with which they are found and carefully labeled as to the depth from which they were obtained.

9. If you do not understand what is wanted, or desire information on any point, write to the Iowa Geological Survey, Iowa City, Iowa.

10. Samples may be boxed and sent to IOWA GEOLOGICAL SURVEY, IOWA CITY, IOWA, EXPRESS COLLECT.

The Iowa Geological Survey desires to assist and cooperate with owners and drillers in every way possible, and will be glad to answer questions and assist in the solution of problems at any time.

WELL RECORD

Well is located 4 miles N and 4 miles E from W W

Iowa in WARREN
(Nearest Town) (County)

in the 1/4 1/4 Sec. T. R.

Owner Iowa Well No.

Postoffice address Iowa City

Contractor W. Brinkman

Address

Driller A. A.

Well begun March 31, 1904
completed April 8, 1904

Rig used—Cable, Rotary, Jet, or Cable

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.)

FOR FIGURING, CASING TALLY, ETC.

Casing

42-11

acing 4' above ground

8' 10" to bottom of sand

FOR FIGURING, CASING TALLY, ETC.

acing 4' above ground

Green & Pine 7.2

3 6.0