

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

W11188

Location:

Town: LAKE MILLS (NE) County WINNEBAGO
sec. 3 T. 99 N., R. 23 (W) Twp.

Well name and number _____

Owner LAKE MILLS TOWN WELL #2 Address LAKE MILLS, IOWA
(1959)

Tenant _____ Address _____

Contractor LAYNE-WESTERN Co. Address AMES, IOWA

Drillers _____

Drilling dates JULY - AUGUST 1959

Well data:

Altitudes: Drilling curb _____ feet; Land surface _____ feet

Determined by _____

Topographic position _____

Total depth: Reported 440 feet; Measured _____ feet

Drilling method CABLE TOOLS

Hole and casing data _____

Original depth to water 43 above ft. below _____ Date _____

Source of data _____

Sources of water: Principal 440

Others _____

PRODUCTION DATA

Date _____

Static water level 43

Pumping water level 43

Yield (g.p.m.) 800

Measuring point _____

Duration of pumping _____

Specific capacity _____

LABORATORY DATA

SA3-18

Well No. W11188 Sample range 0 - 420 No. of samples 84

No. of dupls. and cond. 84 Good Washed range 135 - 420

Samples prepared by Fishwild Date 8/11/59

Logged by Northrup Date 8/18/59

Correlations by _____ Date 8/18/59

BW Lake Mills #2 well
folder
Winnelago Co.

October 13, 1969

Mr. Ray Odde
c/o Pfeiffer and Schultz
270 S. Plaza
1433 Utica Ave. South
Minneapolis, Minn. 55416

Dear Mr. Odde:

As requested in our phone conversation this morning, we are enclosing copies of our geologic log and water analysis of the Lake Mills, Iowa well #2 drilled by Layne-Western Co. in 1959.

Please feel free to write or phone if you have any unanswered questions, or if we can be of further service.

Very truly yours,

Richard C. Morthup
Chief of Subsurface Geology

RCN:cs
Enclosures

G. W -

July 31, 1959

TO: H. G. Hershey
FROM: R. C. Northup
SUBJECT: Phone call from Frank Flores

well A! or ?

Frank Flores phones late Thursday afternoon in regard to the new well at Lake Mills in Winnebago County. The original contract called for a depth of 300'. The city wants 500 g.p.m., but a pumping test at 300' yielded only 290 g.p.m. with a static of 40' and 80' drawdown. Drilling was continued to 400' with little increase in water. Frank wanted to know how much more section might be expected short of the St. Peter which might give more water, and I gave him an estimate. From a comparison of the old well at Lake Mills (total depth 384') and the section at Mason City there should be good limestone and dolomite (Galena) to an estimated depth of 550', or 150' below their present depth of 400'. The Decorah-Platteville is very shaley and would yield little or no water, and advised Frank to stop there unless they want to go to the St. Peter or deeper. The town doesn't want to go that deep if possible. Nearby Buffalo Center got a good well last year from the Devonian-Ordovician section.

MEMORANDUM

August 17, 1959

TO: Dr. H. G. Hershey

FROM: Richard C. Northup

SUBJECT: Lake Mills Town Well

Frank Flores phoned on August 12 to get an idea of the anticipated section for a farm well near Popejoy, and also reported that the new town well at Lake Mills in Winnebago County has been completed for 800 gallons per minute--apparently in the Galena. Static water level is 43' with no measureable drawdown. Depth of the well is 440' and we have received samples to about 400', and Frank will have the remainder on the way shortly. This is an unusually large well and may indicate a cavernous condition in this area.

(Winnipeg) 1
6-D

September 4, 1959

Water Department
Lake Mills
Iowa

Gentlemen:

We have completed the examination of well cuttings from
the Lake Mills Town Well No. 2.

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

Very truly yours,

H. G. Hershey

HGH:jj
Enclosure

LAKE MILLS - WINNEBAGO CO.

FLONKS PHONED

7/30/59

300' ^{depth} extent for well originally.

500 GPM. Needed.

φ 300' - 40' SWL - 290 GPM.

80' drawdown.

SWL 40',
PL 120',
290 GPM.

Nothing met at 400' - SH. WITH LS.

Frank may decide to go to top O-P

at 550'

LAKE MILLS - φ TO 440'

FINAL SWL = 43'

PL = 43' (NO MEASURABLE DRAWDOWN)

YIELD = 800 GPM.

PROBING IN ORDINAR

surface

