

IOWA GEOLOGICAL SURVEY
Iowa City, Iowa
WELL OR WATER SAMPLE DATA

Bottle No. T-1
I.G.S. Well No. 23291

TOWN Tama COUNTY Tama

LOCATION _____ sec. _____ T. _____ N., R. _____ E. _____ W. _____ Twp. _____

OWNER OF WELL Tama Packing Co. WELL No. _____

USE OF WATER: Municipal supply(); Private-domestic(); Public drinking(); Livestock(); Industrial(); School supply(); Air Conditioning(); Cooling(); ().

CONTRACTOR Varner Well & Pump Co. DATE STARTED _____ DATE FINISHED _____

CASING OR CURBING DATA: (Show by diagram on opposite side of sheet the kind, length and depth of top and bottom of each size of pipe, the amount of overlaps, position of seals or packers, pipe performance and screens, etc.)

WELL DATA Present Final
Curb Elevation _____ Ft. Depth _____ Ft. Depth _____ Ft.

Ground Elevation _____ Ft. Topographic Position _____

Static Level (Depth to water (above) curb) _____ Ft. Level 285 Ft. Pumping
(below)

Amount of Drawdown _____ Ft. pumping at 1600 g.p.m. in _____ hrs.
minutes.

Specific Capacity _____ g.p.m. per ft. drawdown in _____ hrs.

Type of Pump _____ Power _____

Depth of Bottom of Pump _____ ft. with _____ ft. of suction pipe.

TEMPERATURE: Air _____ °F.; Water _____ °F., measured after well had pumped _____ hrs. and _____ mins. at _____ g.p.m.; _____ ft. from pump after water had passed through the following pipe _____
Time _____ (A.M.)
_____ (P.M.)

SOURCE OF WATER:
Principal producing formation Jordan _____ ft. to _____ ft.
Other producing formations _____ ft. to _____ ft.

REMARKS: (Taste, odor, and appearance) _____

Sample taken for: Mineral analysis(X); Sanitary analysis().
Data collected by _____ Date _____

Copies to: Iowa Geological Survey
Varner Well & Pump Co., 121 E 4th St Dubuque Ia

April 29, 1975

Mr. James Sass, Geologist
Varner Well Company
121 East Fourth Street
Dubuque, Iowa 52001

Dear Jim,

Could you send me the location, complete construction record, and pumping test data of the Tama Meat Packing Corporation well drilled by Varner in 1973? Was the well acidized or shot? If so I would appreciate the details of the acidizing or shooting and the before and after pumping results.

We have completed our examination of the sample cuttings of this well. The formation tops picked by Jack Gilmore follow:

<u>Formation</u>	<u>Depth(ft.)</u>
Pleistocene Series (no samples)	0
Devonian System	
Lime Creek Formation	100
Cedar Valley Formation	280
Wapsipinicon Formation	553
LaPorte City Formation	650
Silurian System	755
Ordovician System	792
Maquoketa Formation	1088
Galena Formation	1046
Decorah-Platteville Formation	1247
St. Peter Sandstone	1320
Prairie Du Chien Formation	1348
Cambrian System	
Jordan Sandstone	1820
Total Depth	1875

I'll look forward to hearing from you on this and thanks for your good cooperation.

Sincerely,

Paul J. Horick
Chief of Groundwater Geology

PJH:tls

VARNER WELL AND PUMP CO. *Established 1906*

WATER WELLS - DEEP WELL PUMPS - WELL REPAIRS - SOUNDINGS

Contractors

TELEPHONE: AREA CODE 319 583-8226
P. O. BOX 237-121 E. 4TH STREET
DUBUQUE, IOWA 52001

May 14, 1975

Iowa Geological Survey
16 West Jefferson Street
Iowa City, Iowa 52242

Attn: Paul J. Horick
Chief of Groundwater Geology

Dear Paul:

Following is the information you requested in regards to Tama Meat Packing Company, drilled by Varner in 1973:

Location: ^{SW}SW $\frac{1}{4}$ of NW $\frac{1}{4}$ of Sec. 36, T 83N, R 15W, Tama County, Iowa
There was no development of the well.

Drilled Hole:

0-80'	-	27" hole
80-287'	-	23" hole
287-1,400'	-	18" hole
1,400-1,920'	-	12 $\frac{1}{4}$ " hole

Casing Record:

0- 80'	-	24" Casing (Grouted)
0- 280'	-	20" Casing (Grouted)
+3-1,395'	-	13 3/8" O.D. Casing (Grouted)

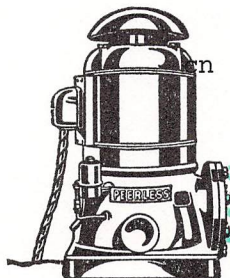
Trusting this information will be helpful to you, we remain

Yours truly,

VARNER WELL & PUMP CO.

Jim Sass (cm)

James Sass
Geologist



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