4872--

IOWA GEOLOGICAL SURVEY
Iowa City, Iowa

Well Log Record

Well name and number Lonia Town Well Town _____ County Chickasaw

Owner of well _____ Address _____

Tenant _____ Address _____

Location SW NE NW NW sec. 24, T. 95 N., R. 14 E. W. _____ Twp.

Land-Surface elevation Topographic Map-1974 1150 ft. Present depth _____ ft. final depth 250 ft.

Static level: (Depth to water above below curb) 100 ft. Pumping level 145 ft. at 20 g.m.

Contractor Stange Date drilled 1950

Description*	FEET Thick	From	To	Description*	FEET Thick	From	To
blk dirt	1	0	1	hd ls	5	200	205
sdy yel clay	43	1	44	brn brn ls	45	205	250
sdy bl clay	46	44	90				
sdy bl wet mud	35	90	125				
sd	15	125	140				
sdy bl clay	15	140	155				
sd & gravel	15	155	170				
brn ls	14	170	184				
ls	11	184	195				
ls	5	195	200				

1150
170
980

*Abbreviate descriptions: use one line for each formation

Remarks on water zones and casings 187' 1" of 8" set at 184' 6"

Temperature: Air _____ °F., Water 48 °F. at A.M. P.M. _____ 19__

Record obtained from _____ Recorded by _____

W-4872

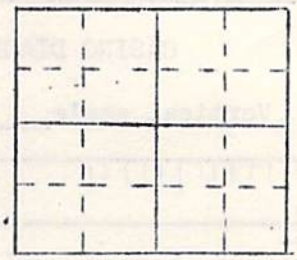
IOWA GEOLOGICAL SURVEY
In Cooperation with U. S. Geological Survey

RECORD OF WELL

Location:

Town: Ionia (N E) (S W): County Chickasaw

sec. T 95 N., R. 14 W. Twp.



Well name and number Ionia Town Well

Owner Do Address

Tenant Address

Contractor Thorpe Well Co. Address

Drillers

Drilling dates Sept. 19-25, 1950

Well data:

Elevations: Drilling curb feet: Land surface feet

Determined by

Topographic position

Total depth: Reported 250 feet, Measured feet

Drilling method

Hole and casing data 188'1" of 8" set at 184'6"

Original depth to water 100 ft. ~~above~~ below Date

Original elevation of water level ft.; Source of data

Sources of water: Principal ; Others

CASING DIAGRAM Vertical scale_____	LOG

Production data: Date

Static depth to water 100 Measuring point

Pumping level 145 at 120 g.p.m.

Specific capacity g.p.m. per ft. drawdown; Temperature 48 °F.

Pump data: Type pump Column Dia. Length

Cylinder or bowls: Dia. Length Suction pipe

Power Airline

Estimated rate or productions: g.p.m. for hrs. a day

Use of water

WATER ANALYSES (in parts per million)

Date samples				
Samples by				
Total solids				
Insoluble matter				
Alkalinity (Meo)				
Alkalinity (Phn)				
pH				
$Fe_2O_3 + Mn_2O_3 + Al_2O_3$				
Alkali as sodium				
Calcium				
Magnesium				
Iron (unfiltered)				
Manganese				
Nitrate				
Fluoride				
Chloride				
Sulfate				
Bicarbonate				
Hardness (ppm)				
Hardness (gpg)				

Remarks

Laboratory data: Sample storage location CJ 10-F

Sample range 1-250 No. spls. 47 No. dupls. & cond. 47 - Good

Spls. prepared by VLM Washed range 165-250 by VLM 4/10/50

Driller's log and cond.

Insoluble residues: Prepared by Studied by Strip log

Microscopic study 1-250 strip log 5-18-51

Gen. log Correl. by R. W. Scraven

WATER LEVEL DATA

Measuring point _____

Date	Depth to water	Altitude	Remarks

REMARKS