

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

V-3290

RECORD OF WELL

		0
	33	

Location:

Town: TITONKA (2 N E 1/4) (SW): County Kossuth
WENKINE sec. 33 T 98 N., R. 27 W. German Twp.

Well name and number JAKE WEIGERS

Owner

Address TITONKA

Tenant

Address

Contractor GUY BEEMER

Address LAKOTA

Drillers

Drilling dates Spring 1948

Well data:

Elevations: Drilling curb _____ feet; Land surface 1180' feet

Determined by Altimeter from Titonka CRIP - 6-18-48 - JBC-WJB

Topographic position Hill slope

Total depth: Reported _____ feet, Measured _____ feet

Drilling method Cable Tool

Hole and casing date _____

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

Original elevation of water level _____ ft.; Source of data _____

Sources of water: Principal _____; Others _____

Production data: _____ Date _____

Static depth to water _____ Measuring point _____
Pumping level _____ at _____ g.p.m. _____

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

Pump data; Type pump _____ Column Dia. _____ Length _____
Cylinder or bowls: Dia. _____ Length _____ Suction pipe _____
Power _____ Airline _____

Estimated rate of production: _____ g.p.m. for _____ hrs. a day

Use of water _____

WATER ANALYSES (in parts per million)

Date samples	_____	_____	_____	_____
Sampled by	_____	_____	_____	_____
Total solids	_____	_____	_____	_____
Insoluble matter	_____	_____	_____	_____
Alkalinity (Meo)	_____	_____	_____	_____
Alkalinity (Phn)	_____	_____	_____	_____
pH	_____	_____	_____	_____
Fe ₂ O ₃ -Mn ₂ O ₃ -Al ₂ O ₃	_____	_____	_____	_____
Alkali as sodium	_____	_____	_____	_____
Calcium	_____	_____	_____	_____
Magnesium	_____	_____	_____	_____
Iron (unfiltered)	_____	_____	_____	_____
Manganese	_____	_____	_____	_____
Nitrate	_____	_____	_____	_____
Fluoride	_____	_____	_____	_____
Chloride	_____	_____	_____	_____
Sulfate	_____	_____	_____	_____
Bicarbonate	_____	_____	_____	_____
Hardness (ppm)	_____	_____	_____	_____
Hardness (SPG)	_____	_____	_____	_____
Remarks	_____			

Laboratory data: _____ Sample storage location _____

Sample range 0-333 No. spls. 67 No. dupls. & cond. 55-Pool
Spls. prepared by RSE RJA Washed range 115-333 by EMR
Driller's log and cond. None

Insoluble residues: Prepared by _____ Studied by _____ Strip log _____
Microscopic study 0-333 strip log 9-3-48
Gen. log _____ Correl. by R.W.

U. S. DEPARTMENT OF THE INTERIOR

Water Resources Division Well Schedule Form

MASTER CARD

Record by **D. AARONSON** Source of data **FILE** Date **10/21/65** Map **COUNTY HWY 1:63,360**

State **IOWA** County (or town) **ROSSWYN** Sequential number: **1**

Latitude: **43 16 01 N** Longitude: **094 02 16**

Lat-long accuracy: **2** T **98** S, R **27** Sec **33** NE **5**

Local well number: **09827W33ABA** Other number: **W-3290**

Local use: **03290** Owner or name: **JAKE WEIGENS**

Owner or name: **JAKE WEIGENS** Address: **TITONKA, IA**

Ownership: County, Fed Gov't, City, Corp or Co, **State**, State Agency, Water Dist **P**

Use of water: Air cond, Comm, Dewatering, Fire, **Dom**, Irr, Ind, P S, Stock, Instit, Unused **H**

Use of well: Anode, Drain, Seismic, Obs, Oil-gas, Recharge, Spring, Test, Unused, Withdraw, Waste, Destroyed **W**

DATA AVAILABLE: Well data **5** Freq. W/L meas.: **NONE** Field aquifer char. **N**

Hyd. lab. data: **73**

Qual. water data; type: **74**

Freq. sampling: **75** Pumpage inventory: yes **76** no **77**

Aperture cards: **77**

Log data: **GEOLOGIST LOG** **78 79**

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: **334** ft Meas. accuracy **6**

Depth cased: (First perf.) ft **334** Casing type: **334** Diam. in **6**

Finish: porous gravel w. concrete, (perfor.) **C** gravel w. (screen), gallery, end, **F** horiz. open perf., screen, sd. pt., shored, open hole, **H** other **Z**

Method: air bored, **C** cable, dug, hyd jetted, **D** rot., **H** (J) multiple, multiple, **J** (cent.) (turb.) none, piston, rot., submerg, turb, other **P** reverse trenching, driven, drive wash, **R** (T) (V) (W) (Z) **C**

Date Drilled: **SPRING 1948 9 4 8** Pump intake setting: ft **36 38**

Driller: **GUY BEEMER** address **LAKOTA, IA.**

Lift (type): air, bucket, cent, jet, (cent.) (turb.) **L** (M) (N) (P) (R) (S) (T) (Z) **D** Deep **P** Shallow **40**

Power (type): diesel, elec, gas, gasoline, hand, gas, wind; **H.P.** **LPG** **41** Trans. or meter no. **40**

Descrip. MP **LSD** above **1180** ft below lsd, Alt. MP **1180**

Alt. LSD: **1180** Accuracy: (source) **ALTIMETER** **47 7**

Water Level: ft above **42** below MP; Ft below lsd **45** Accuracy: **52**

Date meas: **53** Yield: **55** gpm **56** Method determined **60**

Drawdown: ft **62** Accuracy: **63** Pumping period **66** hrs **68**

QUALITY OF WATER DATA: Iron ppm **69** Sulfate ppm **70** Chloride ppm **71** Hard. ppm **72**

Sp. Conduct K x 10⁶ **73** Temp. °F **74 76** Date sampled **77 79**

Taste, color, etc. **79**

098-27-W-33ABA

Well Number **43 16 01 094 02 16**

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD Physiographic Province: **CENTRAL LOWLAND** Section: **WESTERN**

LAKE **B** Drainage Basin: **DES MOINES** Subbasin: **25B**

Top of well site: local depression, flat surface, hilltop, hillside, terrace, valley flat, **HILLSLOPE** **27 S**

MAJOR AQUIFER: **ORDOVICIAN UPPER** **3** **MARQUOKETA FM.** **UM**

Lithology: **CHERTY DOLOMITE** **QD** Origin: **MARINE** **6** Aquifer Thickness: **ft**

Length of well open to: ft **35 37** Depth to top of: **300** ft **300**

MINOR AQUIFER: **44 45** aquifer, formation, group **46 47**

Lithology: **48 49** Origin: **50** Aquifer Thickness: **ft**

Length of well open to: ft **51 53** Depth to top of: **54 56** ft **57 59**

Intervals Screened: **NONE**

Depth to consolidated rock: **115** ft **115** Source of data: **WELL CUTTINGS** **C**

Depth to basement: ft **65 68** Source of data: **69**

Surficial material: **SANDY TILL** **BT** Infiltration characteristics: **POOR** **72 7**

Coefficient Trans: **73 75** Coefficient Storage: **76 78**

Coefficient Perm: **79** gpm/ft; Number of geologic cards: **79**

NO CASING INFORMATION

