

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

W 186

RECORD OF WELL

Location:

Town: Sioux City (NE)
(SW): County Woodbury
NE-SE-SE sec. 33 ^{89?} T^{89?}N., R. 47 W. E Twp.

Well name and number Sioux City Test (1951) Morningside

Owner City of Sioux City Address _____

Tenant _____ Address _____

Contractor Howard Rasmussen Address Sioux City

Drillers _____

Drilling dates Oct-Nov 1951

Well data:

Elevations: Drilling curb _____ feet: Land surface 1167 feet

Determined by C.F. Berkstresser Paulin

Topographic position Valley

Total depth: Reported 180 feet, Measured _____ feet

Drilling method Cable Tool

Hole and casing data _____

Original depth to water _____ ^{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 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 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 (gpg)	_____	_____	_____
Remarks	_____	_____	_____

Laboratory data: Sample storage location C 5/0-70Sample range 115-180 No. spls. 15 No. dupls. & cond. _____Spls. prepared by _____ Washed range 115-180 by _____

Driller's log and cond. _____

Insoluble residues: Prepared by _____ Studied by _____ Strip log _____

Microscopic study _____ strip log 11/20/51Gen. log _____ Correl. by NORTHUP

UNITED STATES DEPARTMENT OF THE INTERIOR
Geological Survey
Water Resources Division

089-47W-35DDA
KDD

Water Quality
(ppm)

Card Q

State: IOWA County: WOODBURY Town: SIoux CITY

Well No. 12283N Seq. No. 1 Date 10951

Sampling Depth 18 Type 1 Kx10⁶ 52 pH 7.6 Temp. °F 39

SiO₂ 42 Ca 38 Mg 25 Na 18 K 1

HCO₃ 410 CO₃ 0 SO₄ 19 Cl 20 Source No. 2

Card R

Duplicate Columns 1-25 from Card Q

F 04 NO₃ 0 PO₄ 1 B 1 Al 1 Fe 062

Mn 03 Cu 1 Pb 1 Zn 1

Determined 329 Solids 1 Calc. 1 Ca, Mg 327 Hardness 1

Color 1 No. R

Card S

Duplicate Columns 1-25 from Card Q

Br 1 I 1 Alk. as CaCO₃ 336 Free CO₂ 1 SAR 1

RSC 1 ABS 1 1

Alpha (pc/l) 1 Beta (pc/l) 1 Ra (pc/l) 1 U (ug/l) 1

Recorded by: D. HARRIS

Punched by: PMJ Date: 10951
Published: 10951

O: . W-35468.

Well Number 42.28 37 S 096 21 05.1
LOOTIC CARD

HYDROGEOLOGIC CARD

[illegible]

Move 6" pump can not get in Draw Down gauge

Position of well.....
(Upland, valley, side hill, etc.)

Size Pipe	Amount of Pipe	Depth to Bottom of Pipe	Depth to Top of Pipe	Type* and Weight of Pipe	DIAGRAM OF WELL
2 1/2"	10	10	10	2 1/2"	
2 1/2"	10	20	20	2 1/2"	
2 1/2"	10	30	30	2 1/2"	
2 1/2"	10	40	40	2 1/2"	
2 1/2"	10	50	50	2 1/2"	
2 1/2"	10	60	60	2 1/2"	
2 1/2"	10	70	70	2 1/2"	
2 1/2"	10	80	80	2 1/2"	

Remarks on construction of well.....

