

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

W-3919

RECORD OF WELL

Location:

Town: Sioux City (NE)
SWSWNE sec. 22 T 49 N., R. 47 W. E. Woodbury Twp.

Well name and number Lowell No 8

Owner City of Sioux City Address _____

Tenant _____ Address _____

Contractor Layne Western Address Omaha

Drillers _____

Drilling dates _____

Well data:

Elevations: Drilling curb _____ feet; Land surface 1105 feet

Determined by _____

Topographic position Flood plain

Total depth: Reported _____ feet, Measured _____ feet

Drilling method Rotary

Hole and casing data _____

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 (gpg)	_____	_____	_____	_____
Remarks	_____			

Laboratory data: _____ Sample storage location CF10-9

Sample range 0-295 No. spls. 58 No. dupls. & cond. 58 Good

Spls. prepared by RRC Washed range _____ by _____

Driller's log and cond. _____

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

Microscopic study _____ strip log _____

Gen. log Huntley Correl. by 525 25/1/44

UNITED STATES DEPARTMENT OF THE INTERIOR
 Geological Survey
 Water Resources Division

Jos KDD
 189-47W-22ACC

Ca 142

W - 3919

Water Quality
 (ppm)

Card Q

State: IOWA County: WOODBURN Town: SIOUX CITY

Well No. 77777777 Seq. No. 1 Date 06255

Latitude 42 44 Longitude 0962246 Type 1 Kx10⁶ 970 pH 7.0 Temp. °F 55

SiO₂ 42 44 Ca 45 49 Mg 50 53 Na 54 58 K 59 61

HCO₃ 62 65 CO₃ 66 67 SO₄ 68 72 Cl 73 78 Source No. 3 Q

Card R

Duplicate Columns 1-25 from Card Q

F 26 28 NO₃ 29 32 PO₄ 33 35 B 36 38 Al 39 41 Fe 42 45

Mn 46 49 Cu 50 52 Pb 53 54 Zn 55 57

Determined 58 63 Solids 64 69 Ca, Mg 70 73 Hardness 74 77

Color 78 79 No. 80

Card S

Duplicate Columns 1-25 from Card Q

Br 26 28 I 29 31 Alk. as CaCO₃ 32 35 Free CO₂ 36 38 SAR 39 41

RSC 42 44 ABS 45 47 48 50

Alpha (pc/l) 55 57 Beta (pc/l) 58 60 Ra (pc/l) 61 63 U (ug/l) 64 66

Verified PMJ
 Punched PMJ

No. 80

Recorded by: DAARONSON

Punched by: _____ Date: _____

Published: _____

