

UNITED STATES DEPARTMENT OF THE INTERIOR

Geological Survey
Water Resources Division

Local Well No. 084-46W-01BAB

Aquifer Code(s) QG6X

Water Quality
(ppm)

Owner's Name WHITING CITY #1 (1935)

W Number 00274

Card Q

State: Iowa 19 County: MONONA 67 Town: WHITING, Iowa

Well No. Latitude 420736N Longitude 0960903 Seq. No. 1 Date 022450

Sampling Depth 110 Type 1 Kx10⁶ pH 7.2 Temp. °F

SiO₂ Ca 123 Mg 36 Na 45 K

HCO₃ 527 CO₃ SO₄ 88 Cl Source No. 3Q

Card R

Duplicate Columns 1-25 from Card Q

F 5 NO₃ 0 PO₄ B Al Fe 70

Mn 0 Cu Pb Zn

Determined 593 Solids Ca, Mg 467 Hardness 35

Color No. R

Card S

Duplicate Columns 1-25 from Card Q

Br I Alk. as CaCO₃ 432 Free CO₂ SAR

RSC ABS

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

No. S
80

Recorded by: D. AARONSON

Punched by: T Date:

Published:

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Aquifer Code(s) QGGX

Water Quality
(ppm)

Owner's Name WHITING CITY #1 (1935)

W Number 00274

Card Q

State: Iowa 19 County: MONONA 67 Town: WHITING, IOWA

Well No. Latitude 420736N Longitude 0960903 Seq. No. 1 Date 042435

Sampling Depth 110 Type 1 Kx10⁶ pH 71 Temp. °F

SiO₂ Ca 125 Mg 39 Na 60 K Source No.

HCO₃ 534 CO₃ SO₄ 122 Cl 3 Q

Card R

Duplicate Columns 1-25 from Card Q

F 15 NO₃ PO₄ B Al Fe 75

Mn Cu Pb Zn

Determined Solids Ca, Mg 474 Hardness Non-Carb. 36

Color No. R

Card S

Duplicate Columns 1-25 from Card Q

Br I Alk. as CaCO₃ 438 Free CO₂ SAR

RSC ABS

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

No. S
80

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

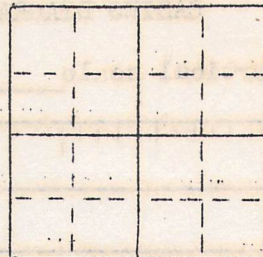
W-0274

RECORD OF WELL

Location:

Town: Whiting (NE)
(SW): County Monona

NW - NE - NW sec. 1 T. 8A N., R. 46 W. Lincoln Twp.



Well name and number Town Well No 1

35' west of
right-of-way,
Highway 75

Owner _____ Address _____

Tenant _____ Address _____

Contractor F.W. Salmon Address Concordia, Nebr.

Drillers _____

Drilling dates _____

Well data:

Elevations: Drilling curb 1059 feet; Land surface _____ feet

Determined by _____

Topographic position Missouri River flood plain

Total depth: Reported 130 feet, Measured _____ feet

Total depth maybe 121 1/2' ??

Drilling method _____

Hole and casing data 8-inch steel from +2 1/2 feet to 102'

8" screen (8 1/2' or 10' ?)

Original depth to water 18 ft. ^{above} _____ ft. below curb Date _____

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

Sources of water: Principal _____; Others _____

Production data: _____ Date _____

Static depth to water 18 Measuring point _____
Pumping level 18' at 150 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	<u>Apr. 29, 1935</u>	_____	_____
Sampled by	<u>Mayor Brooks</u>	_____	_____
Total solids	<u>630</u>	_____	_____
Insoluble matter	<u>30.8</u>	_____	_____
Alkalinity (Meo)	<u>138</u>	_____	_____
Alkalinity (Phn)	<u>0</u>	_____	_____
pH	<u>7.1</u>	_____	_____
Fe ₂ O ₃ + Mn ₂ O ₃ +Al ₂ O ₃	<u>2.8</u>	_____	_____
Alkali as sodium	<u>59.6</u>	_____	_____
Calcium	<u>125.0</u>	_____	_____
Magnesium	<u>39.4</u>	_____	_____
Iron (unfiltered)	<u>7.5</u>	_____	_____
Manganese	<u>0.30</u>	_____	_____
Nitrate	<u>0.35</u>	_____	_____
Fluoride	<u>1.5</u>	_____	_____
Chloride	<u>13.0</u>	_____	_____
Sulfate	<u>122.4</u>	_____	_____
Bicarbonate	<u>539.4</u>	_____	_____
Hardness (ppm)	<u>474</u>	_____	_____
Hardness (gpg)	_____	_____	_____
Remarks	_____	_____	_____

Laboratory data: _____ Sample storage location _____
Sample range 0-130 No. spls. 26 No. dupls. & cond. _____
Spls. prepared by _____ Washed range _____ by _____
Driller's log and cond. Yes
Insoluble residues: Prepared by _____ Studied by _____ Strip log _____
Microscopic study _____ strip log 8/6/53
Gen. log _____ Correl. by NORTHUP

