

W10434

IOWA GEOLOGICAL SURVEY
In Cooperation with U. S. Geological Survey
RECORD OF WELL

Location:

Town: Hull (NE) (NW) County Sioux

NE, NE, NW, SW, 26, 97, & 45
NESE NW SW sec. 27 T. 97 N. R. 45 (W.) Two

Well name and number _____

Owner City of Hull Address Hull Iowa

Tenant City Well #4 (1959) Address _____

Contractor Thorpe Well Co Address Des Moines, Iowa

Drillers _____

Drilling dates Oct '58 - Jan '59

Well data:

Altitudes: Drilling curb _____ feet; Land surface 1430 feet

top elev. 1415'

Determined by P. ROBINSON 3/15 7.5' TOPO.

Topographic position _____

Total depth: Reported 665 feet, Measured _____ feet

Drilling method Rotary

Hole and casing data _____

Original depth to water 155 ft. above _____ below _____ Date _____

Source of data _____

Sources of water: Principal DAKOTA SANDSTONE

Others _____

Field checked 1978

PRODUCTION DATA

Date _____
Static water level 155
Pumping water level 263.6 270 TEMP. 52°
Yield (g. p. m.) 250 349 TEMP. 51°
Measuring point _____
Duration of pumping _____
Specific capacity _____

W10434 LABORATORY DATA

Well No. _____ Sample range 0 665 No. of samples 131 EE 8-12, 11
No. of dupls. and cond. 50 Good Washed range 250-665
Samples prepared by Valentine Date 10/29-30/58
Logged by NORTHUP Date 1958-59
Correlations by _____ Date _____

UNITED STATES DEPARTMENT OF THE INTERIOR

Geological Survey
Water Resources Division

Local Well No. 097-45W-26 CBDA

Aquifer Code(s) KIDZ

Owner's Name HULL CITY WELL #4 (1959)

W Number 10434

Water Quality
(ppm)

Card Q

State: Iowa 1 9 County: Sioux 8 4 Town: HULL, IOWA

Well No. 4 3 1 1 2 7 N 0 9 6 0 7 5 9 Seq. No. 1 Date 1 0 0 9 6 8

Sampling Depth 6 6 5 Type 1 Kx10⁶ 2 6 0 0 pH 7 1 Temp. °F 5 2

SiO₂ 1 1 Ca 2 9 6 Mg 1 2 6 Na 2 1 0 K 2 0

HCO₃ 3 9 5 CO₃ 0 SO₄ 1 3 0 0 Cl 2 4 Source No. 3 Q

Card R

Duplicate Columns 1-25 from Card Q

F 4 NO₃ 1 PO₄ B Al Fe 1 7

Mn 1 9 Cu Pb Zn Solids Hardness 9 3 6

Determined 2 4 0 0 Calc. Ca, Mg 1 2 6 0 Non-Carb. 9 3 6

Color No. R

Card S

Duplicate Columns 1-25 from Card Q

Br I Alk. as CaCO₃ 3 2 4 Free CO₂ SAR RSC ABS Alpha (pc/l) Beta (pc/l) Ra (pc/l) U (ug/l)

No. S
80

Recorded by: D. ARONSON

Punched by: T Date: _____

Published: _____

UNITED STATES DEPARTMENT OF THE INTERIOR

Geological Survey
Water Resources Division

Local Well No. 097-45W-26 CBDA

Aquifer Code(s) KIDZ

Water Quality
(ppm)

Owner's Name HULL CITY #4 (1959)

W Number 10434

Card Q

State: IOWA County: Sioux Town: HULL, IOWA

Well No. 431127N Seq. No. 1 Date 062661

Sampling Depth 665 Type 1 Kx10⁶ 2620 pH 7.6 Temp. °F 54

SiO₂ 111 Ca 285 Mg 118 Na 1188 K 20

HCO₃ 400 CO₃ 0 SO₄ 1190 Cl 26 Source No. 3 Q

Card R

Duplicate Columns 1-25 from Card Q

F 6 NO₃ 4 PO₄ B Al Fe 38

Mn 23 Cu Pb Zn

Determined 2340 Solids Ca, Mg 1200 Hardness 868

Color No. R

Card S

Duplicate Columns 1-25 from Card Q

Br I Alk. as CaCO₃ 328 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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Local Well No. 097-45W-26CBDA

Aquifer Code(s) KID2

Water Quality
(ppm)

Owner's Name HULL CITY #4 (1959)

W Number 10434

Card Q

State: IOWA 1 9 County: Sioux 8 4 Town: HULL, IOWA

Well No. 4 3 1 1 2 7 N 0 9 6 0 7 5 9 Seq. No. 1 Date 0 2 1 6 5 9

Sampling Depth 6 6 5 Type 1 Kx10⁶ 2 5 9 0 pH 7 3 Temp. °F 5 1

SiO₂ 1 1 1 Ca 2 6 9 Mg 1 3 8 Na 1 9 2 K 2 0

HCO₃ 3 9 5 CO₃ 0 SO₄ 1 2 2 0 Cl 2 3 Source No. 3 Q

Card R

Duplicate Columns 1-25 from Card Q

F 4 NO₃ 2 2 PO₄ B Al Fe 1 4

Mn 1 4 Cu Pb Zn Solids Hardness Non-Carb. 9 1 5

Determined 2 3 5 0 Calc. Ca, Mg 1 2 4 0

Color No. R

Card S

Duplicate Columns 1-25 from Card Q

Br I Alk. as CaCO₃ 3 2 4 Free CO₂ SAR ABS Ra U

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

No. 5
80

Recorded by: D. AARONSON

Punched by: T Date: _____

Published: _____

