



5/79 field location by S. Lenka

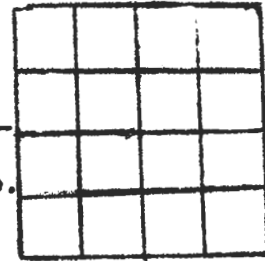
# 15097

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

Location: 2 mi. E. & 1 m S from 1/2 E

Town: Melvin (NE)  
(SW) County Osceola

NENW/NW sec. 34 T. 98 N., R. 40 (W) BAKER Twp.



Well name and number \_\_\_\_\_

Owner Roy L. Arueger Address Melvin

Tenant \_\_\_\_\_ Address \_\_\_\_\_

Contractor Vandenburgh Well Co. Address Milford

Drillers Earl J. Huber

Drilling dates Oct. 11-18, 1961

Well data:

Altitudes: Drilling curb \_\_\_\_\_ feet; Land surface \_\_\_\_\_ feet 1526'

Topo Elev 1526'

Determined by Altimeter L. L. Steele 1967

Topographic position Flat land

Total depth: Reported 635 feet; Measured \_\_\_\_\_ feet

Last sample labeled 600-635

Drilling method Rotary

Hole and casing data 5" hole all the way

Original depth to water \_\_\_\_\_ ft. above \_\_\_\_\_ below \_\_\_\_\_ Date \_\_\_\_\_

Source of data \_\_\_\_\_

Sources of water: Principal 600-635

Others \_\_\_\_\_

PRODUCTION DATA

Date \_\_\_\_\_

Static water level 340

Pumping water level \_\_\_\_\_

Yield (g.p.m.) 30 with air

Measuring point \_\_\_\_\_

Duration of pumping \_\_\_\_\_

Specific capacity \_\_\_\_\_

LABORATORY DATA TL5-31

Well No. # 15097 Sample range 0-695 No of samples 121

No. of dupls. and cond. 110 - Good Washed range —

Samples prepared by Hunter Date 9/9/63

Logged by NORTHUP Date 1/12/66

Correlations by \_\_\_\_\_ Date 1/12/66

UNITED STATES DEPARTMENT OF THE INTERIOR

Geological Survey  
Water Resources Division

Local Well No. 098-40W-34B3

Aquifer Code(s) KIDI

Owner's Name ROY L. KRUEGER

W Number 15097

Water Quality  
(ppm)

Card Q

State: LOVA 1 9 County: OSCEOLA 7 2 Town: MELVIN, LOVA

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

Sampling Depth 6 3 5 Type 1 Kx10<sup>6</sup> 2 8 0 0 pH 7 4 Temp. °F 5 2

SiO<sub>2</sub> 2 6 Ca 3 9 3 Mg 1 1 7 Na 2 0 0 K 1 4

HCO<sub>3</sub> 4 4 5 CO<sub>3</sub> 0 SO<sub>4</sub> 1 4 0 0 Cl 2 5 Source No. 3 Q

Card R

Duplicate Columns 1-25 from Card Q

F 7 NO<sub>3</sub> 1 PO<sub>4</sub> 1 B 1 Al 1 Fe 5 9

Mn 4 0 Cu 1 0 Pb 1 0 Zn 1 0

Determined 2 5 5 0 Solids Calc. 1 4 6 0 Ca, Mg Hardness Non-Carb. 1 1 0 0

Color R

Card S

Duplicate Columns 1-25 from Card Q

Br 3 6 5 I 3 6 5 Alk. as CaCO<sub>3</sub> Free CO<sub>2</sub> 3 6 5 SAR 3 6 5

RSC 3 6 5 ABS 3 6 5 3 6 5

Alpha (pc/l) 3 6 5 Beta (pc/l) 3 6 5 Ra (pc/l) 3 6 5 U (ug/l) 3 6 5

No. S  
80

Recorded by: D. ARONSON

Punched by: T Date: \_\_\_\_\_

Published: \_\_\_\_\_

# WELL RECORD

Well is located 2 miles N E and 1 miles S from 1/8 E  
W W

Melvin in OSCEOLA  
 (Nearest Town) (County)

in the 1/4 1/4 Sec. T. R.

Owner Ray L. Krouger Well No. 1

Postoffice address Melvin Iowa

Contractor Vanderburgh Well Co.

Address Mellard Iowa

Driller Earl J. Fisher

Well begun Oct 11, 1961;

completed Oct 18, 1961.

Rig used—Cable, Rotary, Jet, or

Depth of well 635  
 (Feet)

Size of hole (note total amount of each size)

5" pipe top to bottom

Main water supply at  
 (Feet below surface)

Final water head 340 below  
 (Feet above or below surface)

Is well pumped?

Yield 300 P.M. with air  
 (Gallons per minute)

Water level when pumping

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