

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

W 5939

Location:

Town: SMITHLAND (NE) (SW) : County WOODBURY

SE NW SE sec. 26 T. 86N N., R. 44 W. Twp.

Well name and number SMITHLAND TOWN TEST #2

ON N. EDGE OF TOWN - W. SIDE OF HI-WAY #31 - TOWARDS CONNECTIONVILLE
ABOUT 1 1/2 BLOCKS FROM JUNCTION HI-WAY #141

Owner _____ Address _____

Tenant _____ Address _____

Contractor H. RASMUSSEN Address _____

Drillers _____

Drilling dates NOV. 19, 1952

Well data:

Altitudes: Drilling curb _____ feet; Land surface _____ feet

Determined by _____

Topographic position _____

Total depth: Reported _____ feet, Measured _____ feet

Drilling method _____

Hole and casing data _____

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

Source of data _____

Sources of water: Principal _____

Others _____

Production Data

Date _____
 Static water level _____
 Measuring point _____
 Pumping water level _____
 Yield (g. p. m.) _____
 Duration of pumping _____
 Specific capacity _____

Pump Data

Type pump _____ Column diameter and length _____
 Cylinder or bowls diameter and length _____
 Suction pipe _____ Airline _____
 Power _____ Production _____ g. p. m. for _____ hours per day
 Use of water _____

Dissolved constituents and properties (in parts per million except as indicated)

Date sampled _____
 Sampled by _____
 Silica (SiO₂) _____
 Iron (Fe) _____
 Manganese (Mn) _____
 Calcium (Ca) _____
 Magnesium (Mg) _____
 Potassium (K) _____
 Sodium (Na) _____
 Carbonate (CO₃) _____
 Bicarbonate (HCO₃) _____
 Sulfate (SO₄) _____
 Chloride (Cl) _____
 Fluoride (F) _____
 Nitrate (NO₃) _____
 Dissolved solids _____
 Hardness (as CaCO₃) _____
 Total _____
 Grains per gallon _____
 Noncarbonate _____
 Alkalinity (as CaCO₃) _____
 pH _____
 Specific conductance _____
 (micromhos at 25°C) _____
 Temperature (°F) _____
 Analysis No. _____

Laboratory Data

Well No. **W 5939** Sample range **47-54** No. of samples **2** **LOCATION-EBT-7**
 No. of dupls. and cond. **2 Good** Washed range _____
 Samples prepared by **De Roma** Date **5/5/53**
 Logged by **NORTON** Date **Nov. 1952**
 Correlations by _____ Date _____

#5939

SAMPLE TRACKING FORM

W_NUMBER 5939

DATE_RECVD 1/1 RESTRICTED(L) LID_LIFT(D) 1/1

NAME_OWNER Smithland, city of

OTHER_ID Test #2 SEQ(N)

PROJECT

OPERATOR

LOCATION

STATE 19 COUNTY 97 T 86 N R 44 E/W SEC 26 QQQQQ DBD

LAT LONG LL_ACC(C) QUAD COORD

ELEVATION ELEV_ACC(C) POSITION(C)

TOTAL DEPTH 54? BR_DEPTH AQUIFER(C) ABANDONED(L)

TYPE EXP(C) LOG DATA(C) STRAT DATA(C) GEOPHYS_DATA(C)

WELL_TYP(C) H-CSG(L) PROD_DATA(L) PUMPTST(L) WTR_ANAL(L)

DRILLER_NO 8 DRILLER NAME Rasmussen Well Co

STPLG_BY/GEOLOGIST STPLG_DATE/STUDY_DATE / /

REF_ANAL(L) REMARKS(L) ENTRY DATE / /

REMARKS

REFERENCES

SMITHLAND TOWN TEST #2 - Loc SE NW SE
COMMENCED NOV. 19, 1952 SEC. 26-786N-R 44W

<u>FEET</u>	
0 - 17	YELLOW CLAY
17 - 28	SOFT YELLOW CLAY
28 - 47	BLUE CLAY
47 - 54	YELLOW SAND AND GRAVEL

DRILLING @ 54' 1:00 P.M. NOV. 20, 1952
IN SAND AND GRAVEL.

Woodbury

June 1, 1953

Mr. John Cook
Water Superintendent
Smithland, Iowa

Dear Mr. Cook:

We have completed the examination of well cuttings from the Smithland town tests Nos. 1 and 2 drilled by Howard Rasmussen.

Copies of our geologic logs are enclosed for your files.

Very truly yours,

H. G. Hershey

Enclosures

HGH:emh