R-1-B

# TI ORPE WELL COMPAN

2340 SIXTH AVENUE
DES MOINES, IOWA

*Drilled for* City *at* Lanesboro, Iowa

*Well is located* ____ *miles N-E-S-W and* ____ *miles N-E-S-W from* ____

*in the* ____ ¼ ____ ¼ *Section* ____ *Township* ____ *Range* ____

*Drilling started* July 8, *19* 54 *Completed* July 17, *19* 54

*Well No.* 2 *Kind of Well* Drilled *Depth* 133' *Size hole started* 10" *in.*

*Finish* 8" *G. P. M.* 45 *Static Head* 46'7" *Pumping level from surface* 48'-7"

*Water was first encountered at* 12' *in* Yellow clay *Approx. Amt.* ____ *Temp.* ____

*Remarks* 45 GPM with 2' Drawdown

(GIVE DETAILS OF PERFORATED PIPE AND SEALS)

| RECORD OF PERMANENT PIPE | | | | | TEMPORARY PIPE | |
|---|---|---|---|---|---|---|
| SIZE PIPE | AMOUNT OF PIPE | DEPTH TO BOTTOM OF PIPE | DEPTH TO TOP OF PIPE | MAKE OF PIPE | SIZE PIPE | AMOUNT |
| 8" | 116' | 114'6" | 1' 6" above | Steel | 10" | 35'11" |
| | | | | | | |
| | 15' of 4" Everdur 1/8" x 1-1/2" slot with 5' of 3" on top | | | | | |
| | | | | | | |

*Driller* Robert Martin *From Surface to* ____ *feet*

*Driller* ____ *From* ____ *feet to* ____ *feet*

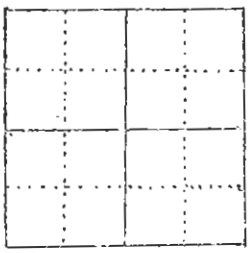
*Driller* ____ *From* ____ *feet to* ____ *feet*

| AMOUNT IN FEET | KIND OF SOIL OR FORMATION (BE SPECIFIC) | TOTAL DEPTH FEET |
|---|---|---|
| 3 | Black topsoil | 3 |
| 28 | Sandy yellow clay | 31 |
| 39 | Blue clay | 70 |
| 6 | Brown sand | 76 |
| 18 | Dirty green sand | 94 |
| 1 | Hard blue shale | 95 |
| 32 | Brown sand - glacial | 127 |
| 6 | Coarse clean sand | 133 |
| | | |

CJ-10

6860

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



Location:

Town: Lanesboro (N E / S W) :County Carroll E.

_____ sec. ___ T. 85 N., R. 33 W. _____ Twp.

Well name and number Lanesboro Town Well (1954)

Owner _____ Address _____

Tenant _____ Address _____

Contractor Thorpe Well Co. Address _____

Drillers _____

Drilling dates 1954

Well data:

Altitudes: Drilling curb _____ feet; Land surface _____ feet

_____

Determined by _____

Topographic position _____

Total depth: Reported 134(?) feet, Measured _____ feet

_____

Drilling method _____

Hole and casing data _____

_____

_____

_____

_____

Original depth to water _____ ft. above/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 ($SiO_2$) | | | | |
| Iron (Fe) | | | | |
| Manganese (Mn) | | | | |
| Calcium (Ca) | | | | |
| Magnesium (Mg) | | | | |
| Potassium (K) | | | | |
| Sodium (Na) | | | | |
| Carbonate ($CO_3$) | | | | |
| Bicarbonate ($HCO_3$) | | | | |
| Sulfate ($SO_4$) | | | | |
| Chloride (Cl) | | | | |
| Fluoride (F) | | | | |
| Nitrate ($NO_3$) | | | | |
| Dissolved solids | | | | |
| Hardness (as $CaCO_3$) | | | | |
| Total | | | | |
| Grains per gallon | | | | |
| Noncarbonate | | | | |
| Alkalinity (as $CaCO_3$) | | | | |
| pH | | | | |
| Specific conductance (micromhos at 25°C) | | | | |
| Temperature (°F) | | | | |
| Analysis No. | | | | |

## Laboratory Data EF 3-8

Well No. 6860 Sample range 65'-134' No. of samples 31

No. of dupls. and cond. 31 - Good Washed range 65'-134'

Samples prepared by E. C. Cut Date 10/5/54

Logged by NORTHUP Date 3/10/55

Correlations by NORTHUP Date 3/10/55