

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

W 6144


Location:

Town: Evansdale (NE) (SW): County Black Hawk  
NE 1 sec. 6 T. 88 N., R. 12 (W) E. Twp.

Well name and number Evansdale Town Well #1

Owner City of Evansdale Address \_\_\_\_\_

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

Contractor Hoeg & Ames Address Lincoln, Iowa

Drillers \_\_\_\_\_

Drilling dates July - Aug 1953

Well data:

Altitudes: Drilling curb 841' feet; Land surface \_\_\_\_\_ feet

Determined by Hand level

Topographic position River Flat

Total depth: Reported 135' feet, Measured \_\_\_\_\_ feet

Drilling method Cable Tool

Hole and casing data 111 feet of 12" casing

117 feet of 20" hole

117-135' 10" hole

Original depth to water 19 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 (SiO <sub>2</sub> )	_____	_____	_____
Iron (Fe)	_____	_____	_____
Manganese (Mn)	_____	_____	_____
Calcium (Ca)	_____	_____	_____
Magnesium (Mg)	_____	_____	_____
Potassium (K)	_____	_____	_____
Sodium (Na)	_____	_____	_____
Carbonate (CO <sub>3</sub> )	_____	_____	_____
Bicarbonate (HCO <sub>3</sub> )	_____	_____	_____
Sulfate (SO <sub>4</sub> )	_____	_____	_____
Chloride (Cl)	_____	_____	_____
Fluoride (F)	_____	_____	_____
Nitrate (NO <sub>3</sub> )	_____	_____	_____
Dissolved solids	_____	_____	_____
Hardness (as CaCO <sub>3</sub> )	_____	_____	_____
Total	_____	_____	_____
Grains per gallon	_____	_____	_____
Noncarbonate	_____	_____	_____
Alkalinity (as CaCO <sub>3</sub> )	_____	_____	_____
pH	_____	_____	_____
Specific conductance	_____	_____	_____
(micromhos at 25°C)	_____	_____	_____
Temperature (°F)	_____	_____	_____
Analysis No.	_____	_____	_____

### Laboratory Data

### Location EC1-6

Well No. <b>W 6144</b>	Sample range <b>0-127</b>	No. of samples <b>24</b>
No. of dupls. and cond. <b>24 Good</b>	Washed range <b>109½-127</b>	
Samples prepared by <b>Lock, Palensky, DeRoma</b>	Date <b>9/15/53</b>	
Logged by <b>NORTHUP</b>	Date <b>10/20/53</b>	
Correlations by <b>NORTHUP</b>	Date <b>10/20/53</b>	