

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

W 6142

Location:

Town: Arlington (NE) (SW): County Fayette
approx. Center sec. 28 T. 92 N., R. 7 W. Twp.

Well name and number Arlington Twp. Well, 1953

Owner Town of Arlington Address Arlington, Ia

Tenant _____ Address _____

Contractor Hoeq & Ames Address Lincoln, Iowa

Drillers _____

Drilling dates Aug 1953

Well data:

Altitudes: Drilling curb _____ feet; Land surface 1143' feet

Determined by _____

Topographic position Stream divide

Total depth: Reported 170? feet, Measured _____ feet

Drilling method Cable tool

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.) 20 gpm. reported
 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 Municipal

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

Location - ECI-1

Well No. W 6142 Sample range 0-170 No. of samples 38
 No. of dupls. and cond. 38 - Good Washed range 70-170
 Samples prepared by Lock, Palensky, De Roma Date 9/15/53
 Logged by NORTHUP Date 10/28/53
 Correlations by NORTHUP Date 10/28/53