

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

W 6073

Location:

Town: DURANT (NE) (SW): County CEDAR

NW NW SW sec. 36 T. 79 N., R. 1 W. Twp.

Well name and number _____

Owner CITY OF DURANT Address _____

Tenant _____ Address _____

Contractor D.E. EDWARDS Address _____

Drillers _____

Drilling dates JUNE 1953

Well data:

Altitudes: Drilling curb _____ feet; Land surface 715' EST. feet

TOPOGRAPHIC MAP

Determined by _____

Topographic position _____

Total depth: Reported 65 feet, Measured _____ feet

Drilling method CABLE TOOLS

Hole and casing data 43' OF 12" CASING

20' OF SCREEN - TOP 12' ARE 100 SLOT.

BOTTOM 8' ARE 80 SLOT.

5' OF 38 POUND PER FOOT 10" PIPE WELDED TO TOP OF SCREEN
TOP OF 10" PIPE IS FITTED WITH STEEL SHOE MEASURING OUT TO
11 5/16" AT TOP.

Original depth to water 35.2 ft. below _____ above _____ Date _____

Source of data _____

Sources of water: Principal PLEISTOCENE GRAVEL

Others _____

Production Data

Date _____

Static water level 35.2

Measuring point _____

Pumping water level 43.55

Yield (g. p. m.) 640

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 6073 Sample range 3-75 Location EB7-8

No. of dupls. and cond. 11 Good No. of samples 11

Samples prepared by Palensky & McRona Washed range _____

Logged by NORTHUP Date 7/22/53

Correlations by NORTHUP Date 8/27/53