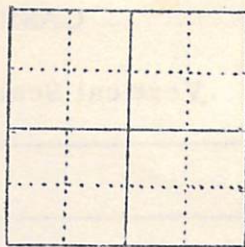


ICWA GEOLOGICAL SURVEY
In Cooperation with U. S. Geological Survey

W 7849

RECORD OF WELL



Location:

Town: New London (NE) (SW) : County Henry

Se Se Mo sec. 25 T. 70 N., R. 5 W. Twp.

Well name and number _____

Owner Geode State Park Address New London, Ia.

Tenant _____ Address _____

Contractor C.L. Jennings Address New London

Drillers Vern Huber & LeRoy Wright

Drilling dates 1956

Well data:

Altitudes: Drilling curb _____ feet; Land surface 699' feet

Determined by Altimeter (K.A.R.) Aug. 1965

Topographic position _____

Total depth: Reported 900 feet, Measured _____ feet

Drilling method Cable Tools 5" Tools

Hole and casing data 53' of 6" pipe ; 626' of 5" liner 18" above ground to 626'

Original depth to water 125 ft. above _____ below _____ Date _____

Source of data _____

Sources of water: Principal _____

Others _____

Production Data

Date _____
 Static water level 125' _____
 Measuring point _____
 Pumping water level 220' _____
 Yield (g. p. m.) 10 at 220 _____
 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 7849 Sample range 0-900 No. of samples 175
 No. of dupls. and cond. Good Washed range 80-900
 Samples prepared by Darland, Wilkins Date 8-3-56
 Logged by NORTHUP Date 1/8/57
 Correlations by _____ Date 1/8/57

New London, Henry County
Danville State Park

Jan. 1941

Curb elevation of Danville State Park well = 708'

" " " Spiedel well 704

Elevation of spring = 654

Proposed spillway elev. 594

Stream bed el. at dam 558

Outwash from gully just below spring el. 614 ±