

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

W 7032


Location:

Town: Monticello (~~NE~~) (~~SW~~): County Jones  
SE 1/4 SW 1/4 sec. 21 T. 86 N., R. 3 W. Monticello Twp.

Well name and number City of Monticello - 1955

Owner city of Monticello Address \_\_\_\_\_

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

Contractor C. L. Jennings Address \_\_\_\_\_

Drillers Don E. Morlan, Jim Twitchell, Boyd Erwin

Drilling dates started March 23, 1955 Completed April 1955

Well data:

Altitudes: Drilling curb \_\_\_\_\_ feet; Land surface 930 feet

Determined by \_\_\_\_\_

Topographic position \_\_\_\_\_

Total depth: Reported 603 feet, Measured \_\_\_\_\_ feet

Drilling method Cable-tool

Hole and casing data Hole - 18" from 0-173', 12" from 173'-503',  
10" from 503'-603'.

Casing 18" 0-50, 12" from 0-173' (cemented in),  
200' of 10" W.T. liner (bottom at 503' top at 303').

Original depth to water 112.8 <sup>above</sup> ft. below Top of casing Date April 14, 1955

Source of data observed by RGM & from Boyd Erwin

Sources of water: Principal Silurian

Others GALENA?



# Production Data

Date \_\_\_\_\_  
 Static water level 112.8  
 Measuring point \_\_\_\_\_  
 Pumping water level 130.9  
 Yield (g. p. m.) 185  
 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 E64-7

Well No. **7032** Sample range 0-600' No. of samples 98  
 No. of dupls. and cond. 98 Washed range 140-600  
 Samples prepared by Crow Date 4/8/55  
 Logged by Northrup Date 7/29/55  
 Correlations by Northrup Date 7/29/55