

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

W-0345

RECORD OF WELL

Location:

Town: M<sup>c</sup>Gregor ( N E )  
( S W ); County Clayton  
NE sec. 27 T. 95 N., R. 3 W. Mendon Twp.


Well name and number City Well #4

Owner City of M<sup>c</sup>Gregor Address \_\_\_\_\_

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

Contractor \_\_\_\_\_ Address \_\_\_\_\_

Drillers \_\_\_\_\_

Drilling dates \_\_\_\_\_

Well data:

Elevations: Drilling curb 625 ± feet; Land surface 625 ± feet

Determined by H.G.H.

Topographic position Flood plain of Mississippi River

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

Drilling method \_\_\_\_\_

Hole and casing data 8" 0-220'  
(Give amount, size, kind, and depth of all casing; type and

position of seals and packers; cementing; how finished--perforated pipe, screen,  
gravel pack, open hole, etc.)

Original depth to water 8 <sup>above</sup> ft. below \_\_\_\_\_ Date \_\_\_\_\_

Original elevation of water level \_\_\_\_\_ ft.; Source of data \_\_\_\_\_

Sources of water: Principal \_\_\_\_\_; Others \_\_\_\_\_

Production data: Date \_\_\_\_\_  
Static depth to water 8 Measuring point \_\_\_\_\_  
Pumping level \_\_\_\_\_ at 400 g.p.m.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Specific capacity \_\_\_\_\_ g.p.m. per ft. drawdown; Temperature 52 1/2 °F.

Pump data; Type pump Centrifugal Column Dia. \_\_\_\_\_ Length \_\_\_\_\_  
Cylinder or bowls: Dia. \_\_\_\_\_ Length \_\_\_\_\_ Suction pipe \_\_\_\_\_  
Power Electricity Airline \_\_\_\_\_  
Estimated rate of production: \_\_\_\_\_ g.p.m. for \_\_\_\_\_ hrs. a day  
Use of water City supply

WATER ANALYSES (in parts per million)

Date sampled	<u>Oct. 14, 1945</u>	_____	_____	_____
Sampled by	<u>H. G. H.</u>	_____	_____	_____
Total solids	<u>1350</u>	_____	_____	_____
Insoluble matter	<u>3.0</u>	_____	_____	_____
Alkalinity (Meo)	<u>263.0</u>	_____	_____	_____
Alkalinity (Phn)	<u>0.0</u>	_____	_____	_____
pH	<u>7.5</u>	_____	_____	_____
Fe <sub>2</sub> O <sub>3</sub> + Mn <sub>2</sub> O <sub>3</sub> + Al <sub>2</sub> O <sub>3</sub>	<u>3.0</u>	_____	_____	_____
Alkali as sodium	<u>324.5</u>	_____	_____	_____
Calcium	<u>102.6</u>	_____	_____	_____
Magnesium	<u>41.9</u>	_____	_____	_____
Iron (unfiltered)	<u>0.55</u>	_____	_____	_____
Manganese	<u>0.00</u>	_____	_____	_____
Nitrate	<u>0.44</u>	_____	_____	_____
Fluoride	<u>0.7</u>	_____	_____	_____
Chloride	<u>454.0</u>	_____	_____	_____
Sulfate	<u>225.1</u>	_____	_____	_____
Bicarbonate	<u>320.9</u>	_____	_____	_____
Hardness (ppm)	<u>430</u>	_____	_____	_____
Hardness (gpg)	<u>25.4</u>	_____	_____	_____
Remarks	_____	_____	_____	_____

Laboratory data: Sample storage location \_\_\_\_\_  
Sample range 25-444' caps. No. spls. 11 No. dupls. & cond. 77  
Spls. prepared by \_\_\_\_\_ Washed range \_\_\_\_\_ by \_\_\_\_\_  
Driller's log and cond. \_\_\_\_\_  
Insoluble residues: Prepared by \_\_\_\_\_ Studied by \_\_\_\_\_ Strip log \_\_\_\_\_  
Microscopic study as full strip log as full  
Gen. log \_\_\_\_\_ Correl. by \_\_\_\_\_