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

W-0114

RECORD OF WELL



Location:

Town: CHARLES CITY (N E) (S W); County FLOYD

NE-NW-NE sec. 12 T. 95 N., R. 16 W. Saint Charles Twp.

Well name and number City Well #1

Owner _____ Address _____

Tenant _____ Address _____

_____

Contractor J F McCarthy Address Minneapolis

Drillers _____

Drilling dates 1906

Well data:

Elevations: Drilling curb 1007 feet; Land surface 1007 ± 2 feet

_____

_____

Determined by _____

Topographic position _____

Total depth: Reported _____ feet, Measured _____ feet

_____

Drilling method _____

Hole and casing data cased from top to 250' & from 600' to 800'. No packing was used.
(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 _____ ft. above below _____ Date _____

Original elevation of water level _____ ft.; Source of data _____

_____

Sources of water: Principal _____; Others _____

_____

Production data: Date at completion

Static depth to water +10 Measuring point curb

Pumping level Natural flow at 200 g.p.m.

S.W.L. 1932 45 500

Specific capacity _____ g.p.m. per ft. drawdown; Temperature 53° °F.

Pump data; Type pump _____ Column Dia. _____ Length _____

Cylinder or bowls: Dia. _____ Length _____ Suction pipe _____

Power _____ Airline _____

Estimated rate of production: _____ g.p.m. for _____ hrs. a day

Use of water _____

WATER ANALYSES (in parts per million)

Date sampled				
Sampled by				
Total solids				
Insoluble matter				
Alkalinity (Meo)				
Alkalinity (Phn)				
pH				
Fe_2O_3+ Mn_2O_3+Al_2O_3				
Alkali as sodium				
Calcium				
Magnesium				
Iron (unfiltered)				
Manganese				
Nitrate				
Fluoride				
Chloride				
Sulfate				
Bicarbonate				
Hardness (ppm)				
Hardness (gpg)				

Remarks _____

Laboratory data: Sample storage location _____

Sample range 14-1590 No. spls. 125 No. dupls. & cond. 117

Spls. prepared by _____ Washed range _____ by _____

Driller's log and cond. _____

Insoluble residues: Prepared by _____ Studied by _____ Strip log _____

Microscopic study Schubt strip log _____

Gen. log _____ Correl. by R W

WATER LEVEL DATA

Measuring point _____

Date	Depth to water	Altitude	Remarks

REMARKS

Reconstructed in 1930.
operated until 1932 by surf pump.
Pump now set at 100'