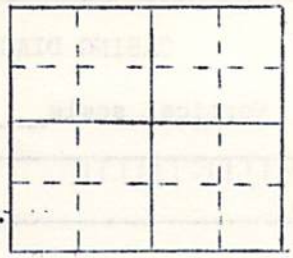
W-4869

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

RECORD OF WELL



Location:

Town: Charles City (N E) (S W): County Floyd

NW-NE NE sec. 1 T. 95 N., R. 16 E (W). Twp.

Well name and number Charles City Municipal Well No. 5

Owner _____ Address _____

Tenant _____ Address _____

_____

Contractor Thorpe Well Co. Address _____

Drillers _____

Drilling dates _____

Well data:

Elevations: Drilling curb ____ feet: Land surface _____ feet

_____

_____

Determined by _____

Topographic position _____

Total depth: Reported _____ feet, Measured _____ feet

_____

Drilling method _____

Hole and casing data _____

_____

_____

_____

_____

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 _____

Static depth to water _____ Measuring point _____
Pumping level _____ at _____ g.p.m. _____

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

Pump data: Type pump _____ Column Dia. _____ Length _____
Cylinder or bowls: Dia. _____ Length _____ Suction pipe _____
Power _____ Airline _____
Estimated rate or productions: _____ g.p.m. for _____ hrs. a day
Use of water _____

WATER ANALYSES (in parts per million)

Date samples				
Samples 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 CI 10-4

Sample range 0-180 No. spls. 36 No. dupls. & cond. 36 - Good

Spls. prepared by AJF Washed range 140-180 by AJF 4/23/51

Driller's log and cond. _____

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

Microscopic study _____ strip log 5/21/51

Gen. log _____ Correl. by Northup