

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

W-0088

RECORD OF WELL

Location:

Town: Manchester (N.E.)
(S.W.): County Deleware
E.
SE NE - NW sec. 32 T 89 N., R. 5 W. Deleware Twp.

Well name and number City Well #1

Owner City of Manchester Address _____

Tenant _____ Address _____

Contractor _____ Address _____

Drillers _____

Drilling dates 1896

Well data:

Elevations: Drilling curb 923 feet; Land surface _____ feet

Determined by "I.C.R.R. by level"

Topographic position Rt. bank Musquoketa River Valley

Total depth: Reported _____ feet, Measured 1870' feet

Drilling method _____

Hole and casing data. _____

Original depth to water _____ ft. above _____ ft. 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 of production: _____ g.p.m. for _____ hrs. a day
Use of water _____

WATER ANALYSES (in parts per million)

Date samples	_____	_____	_____	_____
Sampled by	_____	_____	_____	_____
Total solids	_____	_____	_____	_____
Insoluble matter	_____	_____	_____	_____
Alkalinity (Meo)	_____	_____	_____	_____
Alkalinity (Phn)	_____	_____	_____	_____
pH	_____	_____	_____	_____
Fe ₂ O ₃ + Mn ₂ O ₃ +Al ₂ O 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 10-1870' No. spls. 194 No. dupls. & cond. 55 7-6.

Spls. prepared by _____ Washed range _____ by _____

Driller's log and cond. _____

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

Microscopic study Butt. Talley strip log Gulf, Agnew

Gen. log _____ Correl. by _____

