

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

W-2401

RECORD OF WELL

Location:

Town: Collins (N E)
(S W): County Story
E.
SE NW sec. 21 T 82 N., R. 21 W. Collins Twp.

Well name and number Collins City Well

Owner

Address

Tenant

Address

Contractor

Layne-Western

Address

Ames

Drillers

Drilling dates

Well data:

Elevations: Drilling curb _____ feet; Land surface 1006 _____ feet

Altitude Survey from C.M. & St. P. R.R. in Collins

Determined by

DA. Morris

Topographic position

Total depth: Reported 518' _____ feet; Measured _____ feet

Drilling method

cable tool

Hole and casing data

Original Well drilled to 384' with 25.7' 10" casing and 127' of 8" casing. Hole cleaned to 391' with 8" casing to this depth. Hole deepened in 1946 to 518' with no additional casing.

Original depth to water 130' _____ ft. above _____ Date _____

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

Sources of water: Principal _____; Others _____

LOG

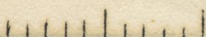
Vertical scale

Log Below 391'

Lime rock - 391-406

Shale 406-436'

Limerock 436-518'



Production data:

Date

Static depth to water

Measuring point

Pumping level

157' (?)

at

40

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

Fe₂O₃+ Mn₂O₃+Al₂O₃

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

400-510

No. spls.

14

No. dupls. & cond.

13

Fair

Spls. prepared by

R.B. & S.P.

Washed range

400-510

by

S.P.

Driller's log and cond.

Insoluble residues: Prepared by

Studied by

Strip log

Microscopic study

SEHJg.

strip log

SEHJg.

Gen. log

Correl. by

SEHJg.