



IOWA GEOLOGICAL SURVEY

Iowa City, Iowa

Well Log Record

Owner of well City of Colfax County Jasper

Tenant \_\_\_\_\_ Town Colfax

Location SWSE NW sec. 1, T. 79 N., R. 21 W. \_\_\_\_\_ Twp.

Curb elevation 15 788 ft. depth \_\_\_\_\_ Present \_\_\_\_\_ final \_\_\_\_\_ ft. depth 307 ft.

Static level: (Depth to water above \_\_\_\_\_ below \_\_\_\_\_) Flow ft. level 18 ft. at 10 g.m. Pumping

Contractor Thoepe Well Co. Cecil Allen Date drilled Oct 3, 1946

Description*	F E E T			Description*	F E E T		
	Thick	From	To		Thick	From	To
Yell clay	8	0	8	Brown ls hard	5	275	280
Yell sand	36	8	44	Brown ls.	26	280	306
sand & gravel	5	44	49	gray sh	1	306	307
gray shale	52	49	101				
1/5, ss + sh	31	101	132				
brn ls. (slight flow)	46	132	178				
Brn ls. (lith. sh)	42	178	220				
white ls (honey comb)	30	220	250				
whit. ls	25	250	275				

\*Abbreviate descriptions; use one line for each formation.

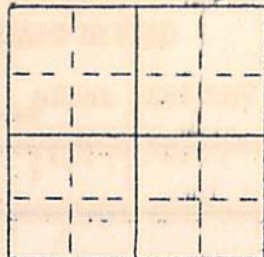
Remarks on water zones and casings 147' 6" of 4" ID pipe 10" to 148'

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Temperature: Air \_\_\_\_\_ °F., Water \_\_\_\_\_ °F. at \_\_\_\_\_ A.M. \_\_\_\_\_ P.M. \_\_\_\_\_ 19\_\_

Record obtained from \_\_\_\_\_ Recorded by \_\_\_\_\_

RECORD OF WELL



Location:

Town: Colfax ( N E )  
( S W ): County Jasper  
SW SENW sec. 1 T 79 N., R. 21 W. Twp.

Well name and number City of Colfax

Owner → Address \_\_\_\_\_

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

Contractor Thorpe Well Co. Address D.M.

Drillers Cecit Allen

Drilling dates Oct 3, 1946

Well data:

Elevations: Drilling curb \_\_\_\_\_ feet; Land surface 788 feet

Determined by \_\_\_\_\_

Topographic position \_\_\_\_\_

Total depth: Reported 307 feet, Measured \_\_\_\_\_ feet

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

Hole and casing data 147' of 6" of 4" I.D. pipe 10" to 148'

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

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

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

Production data: \_\_\_\_\_ Date \_\_\_\_\_

Static depth to water flow \_\_\_\_\_ Measuring point \_\_\_\_\_  
Pumping level 18 \_\_\_\_\_ at 10 \_\_\_\_\_ 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 <sub>2</sub> O <sub>3</sub> + Mn <sub>2</sub> O <sub>3</sub> +Al <sub>2</sub> O <sub>3</sub>	_____	_____	_____	_____
Alkali as sodium	_____	_____	_____	_____
Calcium	_____	_____	_____	_____
Magnesium	_____	_____	_____	_____
Iron (unfiltered)	_____	_____	_____	_____
Manganese	_____	_____	_____	_____
Nitrate	_____	_____	_____	_____
Fluoride	_____	_____	_____	_____
Chloride	_____	_____	_____	_____
Sulfate	_____	_____	_____	_____
Bicarbonate	_____	_____	_____	_____
Hardness (ppm)	_____	_____	_____	_____
Hardness (gpg)	_____	_____	_____	_____

Remarks \_\_\_\_\_

Laboratory data: \_\_\_\_\_ Sample storage location CE11-4

Sample range 280'-290' No. spls. 2 No. dupls. & cond. 2 G

Spls. prepared by J.C.C Washed range 280'-290' by J.C.C.

Driller's log and cond. \_\_\_\_\_

Insoluble residues: Prepared by \_\_\_\_\_ Studied by \_\_\_\_\_ Strip log \_\_\_\_\_

Microscopic study Wentz strip log Sept 29 1949

Gen. log \_\_\_\_\_ Correl. by \_\_\_\_\_

*Gasper  
Colfax*

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## NEW CITY MINERAL WELL NOW COMPLETED

The new Colfax Mineral Well, put down by the city is now complete and again dispensing the health-giving mineral water to the public. The well is 307 feet and 7 inches in depth, and barring accidents, should be good for 35 or 40 years of service.

This new well was put down by the Thorpe Well Co. of Des Moines and has a larger casing than in former wells, so that should something accidentally go wrong there will be more space in which to correct the trouble.

While the Colfax Mineral water is not used as extensively as in the olden days, plenty of people still have faith in its curative powers. Here in Colfax it is carried home daily by many people for their own use. Many from a distance drive to Colfax and take back with them many gallons, and still others have it shipped them.

It is used by the Colfax Sanitarium and the Colfax Mineral Springs.

The new well is now sending forth a good strong flow of mineral water all the time and it is yours for the trouble of going down to the city well.