

5187

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

RECORD OF WELL

Location:

Town: St. Olaf (NE)
(SW): County Clayton
SE NE sec. 26 T94N., R. 5W. Twp.

Well name and number St. Olaf Town Well (1951)

Owner Town of St. Olaf Address _____

Tenant _____ Address _____

Contractor Hocq & Ames Address Lincoln, Ia.

Drillers Ed Martin

Drilling dates Nov 15, 1951 to Jan 4, 1952

Well data:

Elevations: Drilling curb 937 feet: Land surface _____ feet

Determined by _____

Topographic position Hilltop

Total depth: Reported 378 feet, Measured _____ feet

Drilling method Cable tool

Hole and casing data 8" well cased to 302' with 8" casing
and cemented to surface with 206 sacks of cement.
12" open hole from 302 to 378

Original depth to water 186.10 ft. ^{above} ~~below~~ 15 Date 4 Jan 1952

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

Sources of water: Principal St Peter ss; Others _____

CASING DIAGRAM

LOG

Vertical scale _____

	0-2 top soil
	2-22 yel clay
	22-212 Rock (water at 90' raised to 20')
	212-235 sh & rock
	235-243 rock
	243-252 sh
	252-297 rock
	297-300 sh
	300-304 ss
	304-350 ss
	350-378 rock

Production data: _____ Date _____

Static depth to water 187.1 Measuring point top of csg
Pumping level 224' at 55 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 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 CK2-6

Sample range 0-378 No. spls. 75 No. dupls. & cond. 75.6
Spls. prepared by Kal + mort Washed range 20-378 by Kal + mort

Driller's log and cond. No.

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

Microscopic study _____ strip log _____

Gen. log _____ Correl. by Bay 2/6/52