

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

RECORD OF WELL

Location:

Town: Waverly (N E)
(S W); County Linn
S.W. - N.E. - NW sec. 17 T. 85 N., R. 5 W. Twp.

W-1179

Well name and number Boy Scout Camp Well

Owner Boy Scouts of America Address _____

Tenant J.C. Manville Address Chambers Bldg, Cedar Rapids

Contractor C.D. Nelson Address Cedar Rapids

Drillers _____

Drilling dates 1940

Well data:

Elevations: Drilling curb 955 feet; Land surface _____ feet

Determined by _____

Topographic position _____

Total depth: Reported _____ feet, Measured 297 feet

Drilling method cable

Hole and casing data 190' at 4 1/2" I.D. casing
(Give amount, size, kind, and depth of all casing; type and

position of seals and packers; cementing; how finished--perforated pipe, screen,
gravel pack, open hole, etc.)

Original depth to water _____ above
ft. below _____ Date _____

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

Sources of water: Principal _____; Others _____

Production data: well 190' deep. Date _____
Static depth to water 25-35 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 sampled	_____	_____	_____	_____
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 193-297 No. spls. 20 No. dupls. & cond. 20 7
Spls. prepared by Sumnerford Washed range _____ by _____
Driller's log and cond. _____
Insoluble residues: Prepared by _____ Studied by _____ Strip log _____
Microscopic study _____ strip log _____
Gen. log _____ Correl. by _____

IOWA GEOLOGICAL SURVEY
Generalized Log Based on Detailed
Description of Drill Cuttings

Name of Well Boy Scout Camp, Waubesa Survey No. W- 1179
Location _____
Drilled by Chas. D. Nolan Date _____
Total Depth _____ ft, Curb Elevation _____ ft, Static Level _____ ft.
Pumping Test _____ Hours _____ Min, Gal. per Min. _____, Drawdown _____ ft. in _____ min.
Casing Data _____

No.	Rock Unit	Description of Formations	Thick.	From (feet)	To
1.	No sample		193'	0	193'
	SILURIAN SYSTEM				
	<u>Niagara series</u>				
	Hopkinton formation				
2.		Dolomite, light buff to gray, fine to medium grained, saccharoidal porous to dense, few quartz crystals	42	193	235
3.		Dolomite, light, little light medium, gray and drab, fine little medium, dense and saccharoidal vuggy. 1% crystalline quartz and white chalcedony	10	235	245
	<u>Alexandrian series</u>				
	Kankakee formation				
4.		Dolomite, light gray, very slightly drabish, fine saccharoidal, porous vuggy, 15-20% chert white dead with a little light to medium gray opaque vitreous.	10	245	255
5.		Chert, white to pale gray, opaque, vitreous to dead little medium to dark gray and drab gray mottling. 35-45% dolomite light buff and drabish gray, fine saccharoidal porous vuggy	10	255	265
6.		Dolomite, pale to light gray and buffish gray, fine saccharoidal 20-30% chert as above	10	265	275

Notes:

Description of Formations

<u>No.</u>	<u>Rock Unit</u>	<u>Thick.</u>	<u>From</u> <u>(feet)</u>	<u>To</u>
7.	Dolomite, pale to light gray and buffish gray, fine saccharoidal. 25% chert white to light gray, opaque to translucent, drabish in part	5	275	280
8.	Dolomite, light gray above to buff below, fine saccharoidal, porous. 25-30% chert white to light gray opaque, some medium to dark gray mottling, some dead at base	17	280	297