

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

RECORD OF WELL

W-0565

	15	
		0

Location:

Town: Backbone State Park (N E)
(S W); County Delaware
SW-SE sec. 15 T. 90 N., R. 6 W. Richard Twp.

Well name and number Well #5 for cabin group north of beach

Owner State Conservation Board Address Des Moines

Tenant _____ Address _____

Contractor M^cCutcheon Well Co. Address Des Moines

Drillers O. B. Hiaks

Drilling dates July 1-9, 1937

Well data:

Elevations: Drilling curb 1062 feet; Land surface _____ feet

Determined by _____

Topographic position _____

Total depth: Reported _____ feet, Measured 165.5 feet

Drilling method _____

Hole and casing data 57'8" of 6" casing 0-57'8"
(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 Hyphantum; Others Lower drift

Production data: Date July 9, 1957
 Static depth to water 74 Measuring point _____
 Pumping level 74 at 2 7/2 g.p.m. for 6 hrs.

Specific capacity _____ g.p.m. per ft. drawdown; Temperature 47 °F.

Pump data; Type pump Avenger Column Dia. _____ Length 90'9"
 Cylinder or bowls: Dia. _____ Length _____ Suction pipe 20'9"
 Power Gasoline motor Airline _____
 Estimated rate of production: _____ g.p.m. for _____ hrs. a day
 Use of water Public drinking

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 0-165 No. spls. 39 No. dupls. & cond. 396
 Spls. prepared by _____ Washed range _____ by _____
 Driller's log and cond. _____
 Insoluble residues: Prepared by _____ Studied by _____ Strip log _____
 Microscopic study Shuf strip log Davis
 Gen. log _____ Correl. by Davis