

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

W 8255

RECORD OF WELL

Location: SW. PART OF CITY
Town: MAQUOKETA (NE) (SW) : County JACKSON
NE NW NW sec. 25 T. 84 N., R. 2 ~~W~~ E. SOUTH FORK Twp.

Well name and number _____

Owner MAQUOKETA CITY WELL #5 (1957) Address _____

Tenant _____ Address _____

Contractor HOEG & AMES Address LINCOLN, IOWA

Drillers LEROY AMES

Drilling dates MARCH 13 - APRIL 4, 1957

Well data:
Altitudes: Drilling curb _____ feet; Land surface 747 feet

Determined by Johnson 1963

Topographic position UPLAND

Total depth: Reported 275 feet, Measured _____ feet

Drilling method CABLE TOOLS

Hole and casing data _____

Original depth to water 72 above _____ ft. below _____ Date _____

Source of data _____

Sources of water: Principal 150-160' AND 170-190'

Others _____

Production Data

Date _____
 Static water level 72 _____
 Measuring point _____
 Pumping water level 84 _____
 Yield (g. p. m.) 42 _____
 Duration of pumping _____
 Specific capacity _____

Pump Data

Type pump _____ Column diameter and length _____
 Cylinder or bowls diameter and length _____
 Suction pipe _____ Airline _____
 Power _____ Production _____ g. p. m. for _____ hours per day
 Use of water _____

Dissolved constituents and properties (in parts per million except as indicated)

Date sampled _____
 Sampled by _____
 Silica (SiO₂) _____
 Iron (Fe) _____
 Manganese (Mn) _____
 Calcium (Ca) _____
 Magnesium (Mg) _____
 Potassium (K) _____
 Sodium (Na) _____
 Carbonate (CO₃) _____
 Bicarbonate (HCO₃) _____
 Sulfate (SO₄) _____
 Chloride (Cl) _____
 Fluoride (F) _____
 Nitrate (NO₃) _____
 Dissolved solids _____
 Hardness (as CaCO₃) _____
 Total _____
 Grains per gallon _____
 Noncarbonate _____
 Alkalinity (as CaCO₃) _____
 pH _____
 Specific conductance _____
 (micromhos at 25°C) _____
 Temperature (°F) _____
 Analysis No. _____

Laboratory Data

Well No. W 8255 Sample range 0-275 No. of samples 56
 No. of dupls. and cond. 56 Good Washed range 115-275
 Samples prepared by V. DOW Date 4/18/57
 Logged by NORTHUP Date 6/13/57
 Correlations by _____ Date 6/13/57

400-500 3/4

IOWA GEOLOGICAL SURVEY
Iowa City, Iowa

Well Log Record

Well name and number Maguacheta #111 Town Maguacheta County Jackson

Owner of well City Address _____

Tenant _____ Address _____

Location NW Ne⁷ sec. 25, T. 84 N., R. 2 ~~W~~ E. Twp.

Curb elevation _____ Present ft. depth _____ final ft. depth 275' ft.

Static level: (Depth to water ^{above} below curb) 72' Pumping ft. level _____ ft. at 42 g.m.

Contractor Hoeg's AMES - LEROY AMES Date drilled 3/13-4/4-57

Description*	F E E T			Description*	F E E T		
	Thick	From	To		Thick	From	To
Black soil	3	0	3'				
Yellow Clay	2	3	5				
Yellow Clay		5	35				
Yellow Clay		35	50				
Yellow Clay		50	95				
Blue Clay		95	110				
Yellow Clay		110	117				
→ Good rock		117	125				
Yellow rock		125	175				
Gray to white Rock		175	225				

*Abbreviate descriptions: use one line for each formation

Remarks on water zones and casings 122' of 16" O.D. 126' of 12" O.D.

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

Record obtained from _____ Recorded by _____