

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

RECORD OF WELL

W 7910

Location: $\frac{1}{4}$ Mi. E.

Town: Lacona (NE) (SW) : County Warren

sec. 27 T. 74 N., R. 22 W. Twp.

Well name and number _____

Owner Lacona Address _____

Tenant _____ Address _____

Contractor Art Bruinekool Address Pella, Ia.

Drillers Bruinekool

Drilling dates Sept. 25-28, 1955

Well data:

Altitudes: Drilling curb _____ feet; Land surface _____ feet

Determined by _____

Topographic position Valley

Total depth: Reported 42' feet, Measured _____ feet

Drilling method Cable

Hole and casing data 43' of 7" 17# pipe set at 35'

Original depth to water 15'-6" ^{above} ft. below _____ Date _____

Source of data _____

Sources of water: Principal 35-39

Others _____

Production Data

Date _____

Static water level 15'-6" _____

Measuring point _____

Pumping water level 33 _____

Yield (g. p. m.) 50 _____

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 7910 Sample range 0-42 No. of samples 9

No. of dupls. and cond. 9 Good Washed range 39-42

Samples prepared by Darland Date 8/15/56

Logged by NORTHUP Date 11/6/56 - ELECTION DAY

Correlations by _____ Date 11/6/56

32.10
17.50
14.60

DATA FROM ANT BRUINEKOLZ

LACONA TOWN WELL

[Warren Co.]

PUMPING TEST SEPT. 28, 1955

DRAWDOWN

<u>WATER LEVEL</u>	<u>TIME</u>	<u>REMARKS</u>
17.5	9:46 AM	STARTED PUMP
30.10	10:15 "	50 GPM.
32.10	10:45 "	
33.10	11:15 "	
33.10	12:00 PM	
33.6	12:32 "	
32.10	1:00 "	
33.00	1:32 "	
32.10	2:00 "	50 GPM
	2:10 "	STOPPED PUMP

RECOVERY

<u>WATER LEVEL</u>	<u>TIME</u>		
20.4	2:34	19.0	3:22 PM
20.2	2:25	18.11	3:30 "
19.11	2:30	18.10	3:45 "
19.60	2:40	18.90	3:51 "
19.50	2:45	18.80	4:00 "
19.40	2:55	18.70	4:30 SEPT. 28
19.30	3:05	17.70	2:30 PM SEPT. 29
19.10	3:15		

DATA FROM ANT BRUINERKOOOL

LACONA

OBSERVATION WELL SOUTH OF ROAD

200' SOUTH OF PUMPING WELL

SEPT. 28, 1955

<u>WATER LEVEL</u>	<u>TIME</u>	
15.3	9:38	AM
16.6	10:18	"
17.1	10:48	"
17.5	11:18	"
17.9	12:03	PM
17.11	12:35	"
18.10	1:02	"
18.20	1:35	"
18.30	2:03	"
18.20	2:12	"
18.10	2:14	"
18.00	2:16	"
17.11	2:18	"
17.70	2:26	"
17.60	2:28	"
17.40	2:34	"
17.30	2:38	"
16.90	3:20	"
16.80	3:37	"
16.50	4:00	"
16.04	4:30	"
15.30	2:33	"

SEPT. 29 TH 1955

WELL RECORD

Well is located 7 miles N and E miles S from
W W

Lacoma in _____,
 (Nearest Town) (County)

in the 1/4 1/4 Sec. T. R.

Owner Lacoma Well No. _____

Postoffice address _____

Contractor Pat D. Drummond

Address _____

Driller _____

Well begun Sept 25, 1955;

completed Sept 28, 1955.

Rig used—Cable, Rotary, Jet, or able

Depth of well 39
 (Feet)

Size of hole (note total amount of each size) _____

Main water supply at 35-39
 (Feet below surface)

Final water head 15'6"
 (Feet above or below surface)

Is well pumped? _____

Yield _____
 (Gallons per minute)

Water level when pumping _____

Position of well valley
 (Upland, valley, side hill, etc.)

