

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

RECORD OF WELL


Location:

Town: Peterson (NE)  
(SW): County Clay  
sec. 32 or 33 T. 94 N., R. 38 W. Twp.

Well name and number Peterson Town Well (1955) No. 3

Owner \_\_\_\_\_ Address \_\_\_\_\_

Tenant \_\_\_\_\_ Address \_\_\_\_\_

Contractor Thorpe Well Co. Address \_\_\_\_\_

Drillers Don Kunkle

Drilling dates June 27 - July 8, 1955

Well data:

Altitudes: Drilling curb \_\_\_\_\_ feet; Land surface \_\_\_\_\_ feet

Determined by \_\_\_\_\_

Topographic position \_\_\_\_\_

Total depth: Reported 110 feet, Measured \_\_\_\_\_ feet

Drilling method \_\_\_\_\_

Hole and casing data 97' of 10" pipe set at 95' and  
15' of 10" Thorpe Everdur screen 1/8" slot with  
4' of blank steel on top. Gravel packed

Original depth to water 45 ft. above below Date \_\_\_\_\_

Source of data \_\_\_\_\_

Sources of water: Principal \_\_\_\_\_

Others \_\_\_\_\_

# Production Data

Date \_\_\_\_\_  
 Static water level 45  
 Measuring point \_\_\_\_\_  
 Pumping water level 69  
 Yield (g. p. m.) 100  
 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 (SiO<sub>2</sub>) \_\_\_\_\_  
 Iron (Fe) \_\_\_\_\_  
 Manganese (Mn) \_\_\_\_\_  
 Calcium (Ca) \_\_\_\_\_  
 Magnesium (Mg) \_\_\_\_\_  
 Potassium (K) \_\_\_\_\_  
 Sodium (Na) \_\_\_\_\_  
 Carbonate (CO<sub>3</sub>) \_\_\_\_\_  
 Bicarbonate (HCO<sub>3</sub>) \_\_\_\_\_  
 Sulfate (SO<sub>4</sub>) \_\_\_\_\_  
 Chloride (Cl) \_\_\_\_\_  
 Fluoride (F) \_\_\_\_\_  
 Nitrate (NO<sub>3</sub>) \_\_\_\_\_  
 Dissolved solids \_\_\_\_\_  
 Hardness (as CaCO<sub>3</sub>) \_\_\_\_\_  
   Total \_\_\_\_\_  
   Grains per gallon \_\_\_\_\_  
   Noncarbonate \_\_\_\_\_  
 Alkalinity (as CaCO<sub>3</sub>) \_\_\_\_\_  
 pH \_\_\_\_\_  
 Specific conductance \_\_\_\_\_  
   (micromhos at 25°C) \_\_\_\_\_  
 Temperature (°F) \_\_\_\_\_  
 Analysis No. \_\_\_\_\_

# Laboratory Data

Well No. W 7470 Sample range 0-75 No. of samples 5  
 No. of dupls. and cond. 5 good Washed range \_\_\_\_\_  
 Samples prepared by Campbell Date 3-13-56  
 Logged by NORTHUP Date 3/28/56  
 Correlations by NORTHUP Date 3/28/56

CLAY COUNTY

Drilled for City Water Works at Peterson, Iowa

Well is located \_\_\_\_\_ miles N-E-S-W and \_\_\_\_\_ miles N-E-S-W from \_\_\_\_\_

in the 1/4 1/4 Section 32 on 33 Township 94N Range 38 W

Drilling started June 27, 1955 1955 Completed July 8, 1955 1955

Well No. 3 Kind of Well Gravel Pack Depth 110' Size hole started 48" in.

Finish 40" G. P. M. 100 Static Head 45' Pumping level from surface 69'

Water was first encountered at \_\_\_\_\_ in \_\_\_\_\_ Approx. Amt. \_\_\_\_\_ Temp. \_\_\_\_\_

Remarks \_\_\_\_\_

(GIVE DETAILS OF PERFORATED PIPE AND SEALS)

RECORD OF PERMANENT PIPE					TEMPORARY PIPE	
SIZE PIPE	AMOUNT OF PIPE	DEPTH TO BOTTOM OF PIPE	DEPTH TO TOP OF PIPE	MAKE OF PIPE	SIZE PIPE	AMOUNT
10	97'		2' above ground level		48"	12'
10"	15'			Thorpe 1/8" slot Everdur screen		4' blank steel on top

Driller Don Kunkle From Surface to \_\_\_\_\_ feet

Driller \_\_\_\_\_ From \_\_\_\_\_ feet to \_\_\_\_\_ feet

Driller \_\_\_\_\_ From \_\_\_\_\_ feet to \_\_\_\_\_ feet

[illegible]