City Well
Town of Portsmouth

WELL RECORD

Well is located ..... N/E/W ..... miles S and ..... N/E/W ..... miles S from

..... (Nearest Town) in ..... (County),

in the ..... ¼ ..... ¼ Sec. ..... T. ..... R. .....

Owner Town Well No. II

Postoffice address .....

Contractor Sunberg Well Co.

Address Audubon, IA

Driller Tech H. Sunberg

Well begun March 29, 1955;

completed " 2 E, 1955

Rig used—Cable, Rotary, Jet, or .....

Depth of well 54 ft (Feet)

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

11" 4 L — 6 5/8" Casing

Main water supply at 38-49 (Feet below surface)

Final water head 15 ft (Feet above or below surface)

Is well pumped? 50 G.P.M.

Yield ..... (Gallons per minute)

Water level when pumping 26 ft

Position of well SE of Town - 1 blk. (Upland, valley, side hill, etc.)

Date and Time	Water Level	SOURCE OF WATER		Production in Gallons per Minute	Pumping Level
		Depth	Type of Rock		

NOTE: Water levels should be recorded at time of change AND at regular intervals; for example each morning before drilling starts or at the end of each 100 feet of drilling.

RECORD OF PERMANENT CASING

Size Pipe	Amount of Pipe	Depth to Bottom of Pipe	Depth to Top of Pipe	Type* and Weight of Pipe
6 5/8	59	59	5 ft Above Gr.	19#
			Natural Gravel 9 ft	
		5 Slotted Pipe 2 ft long		

DIAGRAM OF WELL



*As cast, wrought iron, steel, concrete, etc.

Is screen used? Slotted Pipe Diameter 6 5/8" (Inches)

Length 2 (Feet) Depth to bottom 7

Depth to top 44 Slot size 1/4"

Are packers or seals used? No

Kind —

Where used —

Kind of pump Piston Type Dia. 4" (Inches)

Capacity of pump 20 - 80 (g.p.m.)

Power used Electric - 220 (Kind and amount)

Depth to bottom of pump line 40 feet,

including — feet tailpiece.

Remarks on construction of well Natural Gravel Pack

Sample No.	DEPTH		THICKNESS	DESCRIPTION OF BEDS
	From	To		KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
1–8	0	38	38	Drift
8+9	38	47	9	Sand and Top, Gravel last 5 ft.
10+11	47	54	7	Shale

IOWA GEOLOGICAL SURVEY

In Cooperation with U. S. Geological Survey

W 9760

RECORD OF WELL

Location: 1 BLOCK SE. OF TOWN

Town: PORTSMOUTH (N E) (S W) :County SHELBY

NW sec. 21 T. 79 N., R. 40 W. Twp.

Well name and number

Owner TOWN OF PORTSMOUTH Address

TOWN WELL #2 (1958)

Tenant Address

Contractor SUNBERG WELL CO. Address AUDUBON, IOWA

Drillers JOHN H. SUNBERG

Drilling dates MARCH 27-28, 1958

Well data:

Altitudes: Drilling curb feet; Land surface feet

Determined by

Topographic position VALLEY

Total depth: Reported 54 feet, Measured feet

Drilling method ROTARY

Hole and casing data 11" HOLE - 6 5/8" CASING SET @ 59'

NO SCREEN USED

Original depth to water 5 ft. above below Date

Source of data

Sources of water: Principal 38'-47' - SAND AND GRAVEL

Others

Production Data

Date				
Static water level	15			
Measuring point				
Pumping water level	26			
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 (SiO_2)				
Iron (Fe)				
Manganese (Mn)				
Calcium (Ca)				
Magnesium (Mg)				
Potassium (K)				
Sodium (Na)				
Carbonate (CO_3)				
Bicarbonate (HCO_3)				
Sulfate (SO_4)				
Chloride (Cl)				
Fluoride (F)				
Nitrate (NO_3)				
Dissolved solids				
Hardness (as $CaCO_3$)				
Total				
Grains per gallon				
Noncarbonate				
Alkalinity (as $CaCO_3$)				
pH				
Specific conductance (micromhos at 25°C)				
Temperature (°F)				
Analysis No.				

Laboratory Data

Well No. W 9760 Sample range 0-50 No. of samples 10 N36-7

No. of dupls. and cond. 0 Washed range _____

Samples prepared by U. Oaks Date 5/27/59

Logged by Northup Date 3/2/59

Correlations by _____ Date 3/2/59