

7 1/2' Buffalo Center Quad  
1980/ field located by D. Kuster

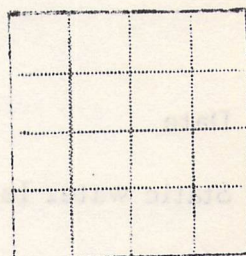
IOWA GEOLOGICAL SURVEY  
In Cooperation with U. S. Geological Survey  
RECORD OF WELL

W10664

Location:

Town: BUFFALO CENTER (NE) County WINNEBAGO

NE SE sec. 18 T. 99 N. R. 26 (W.) Twp



Well name and number

Owner BUFFALO CENTER TOWN WELL #2 Address

Tenant Address

Contractor THORPE WELL CO. Address

Drillers

Drilling dates 1959

Well data:

Altitudes: Drilling curb feet; Land surface feet

Determined by

Topographic position

Total depth: Reported 500 feet; Measured feet

Drilling method

Hole and casing data 154' 11" of 12" casing set at 150' 6" grouted

liner 36" 8" from 138' 4" to 500'. Perforated all the way

except 425-435 + 445-455

Original depth to water 17' <sup>above</sup> ft. below surface Date

Source of data

Sources of water: Principal Galena

Others



# PRODUCTION DATA

Date \_\_\_\_\_

Static water level 17'

Pumping water level 45'

Yield (g.p.m.) 450 g.p.m.

Measuring point \_\_\_\_\_

Duration of pumping \_\_\_\_\_

Specific capacity \_\_\_\_\_

Temp. 46° F

# LABORATORY DATA

Well No. W10664 Sample range 105-500 No. of samples 77

No. of dupls. and cond. 65 Good Washed range 120-500

Samples prepared by R Valentine Date 3/26/59

Logged by M. Parker Date 5/21/59

Correlations by M. Parker Date 5/21/59

EC10-12



Winnelago Co  
G.D

September 4, 1959

Water Department  
Buffalo Center  
Iowa

Gentlemen:

We have completed the examination of well cuttings from  
the Buffalo Center Town Well No. 2.

A copy of our geologic log is enclosed for your files.

Very truly yours,

H. G. Hershey

HGH:jj  
Enclosure



Buffalo Center =

T.D. 500' = 15' in Glenwood  
154'-11" <sup>12"</sup> grouted = to 150'-6" =

Liner = 361'-8" 500' to 138'-4"

Perforated - all way

⊕

No pipe E 445 - 455  
425 - 435

S.W.L. 17'

PL = 45'

480 at 450 gpm  
T F



*Extra copy*

FORECAST OF GEOLOGIC SECTION  
AT BUFFALO CENTER, IOWA  
(Estimated starting elevation 1200 feet a.s.l.)

Formation	Thickness (ft)	Depth Range (ft)
Quaternary system		
Pleistocene series (glacial till)	130 <sub>+</sub>	0-130 <sub>+</sub>
Devonian system		
Cedar Valley formation (dolomite and limestone, sandy or shaly)	40	130 <sub>+</sub> -170
Ordovician system		
Maquoketa formation (cherty dolomite)	110	170-280
Galena formation (limestone and dolomite)	205	280-485
Decorah-Platteville formations (limestone and shale)	90	485-575
St. Peter sandstone	75	575-650
Prairie du Chien formation (dolomite, sandy, minor chert)	275	650-925
Cambrian system		
Jordan sandstone	80	925-1005
St. Lawrence dolomite	75 <sub>+</sub>	1005-1080

PJH 11/58



IOWA PRESS  
CLIPPING BUREAU

Des Moines, Iowa

Tribune  
Buffalo Center, Iowa

JAN 1 1959

## City Well At 300 Feet, But No Water

At a pumping test of Buffalo Center's new well last Friday at a depth of 230 feet, the well drillers were able to pump only 80 gallons a minute. A flow of about 400 gallons a minute is needed in order to supply enough water for the patrons.

Drilling was resumed and Tuesday morning the drillers had reached a depth of 310 feet, where they hit solid rock. This will slow up the drilling considerable. When they have drilled through the hard rock another pumping test will be made.