City of Bonaparte
In City Park
Bonaparte, Iowa

w 10301

Driller ---------- L. A. Gray
Drilled ---------- October, 1957
Depth ---------- 136 feet.
Water supply at ---------- 35' to 45'
Waterhead ---------- 28 feet.
Test ---------- 25 G.P.M. @ 126' for 24 hours.
29' 2" of 10" Blk. pipe and 10" hole to bottom.
25' of 16" hole and cemented to 5' above ground level with 5' of 24" well tile.

0 - 5	Soil
5 - 19	Clay : Brown
19 - 50	Limestone : White
50 - 60	Limestone : White & Chirt & Shale
60 - 70	Limestone : Grey & Chirt
70 - 80	Limestone : Brown Grey & Chirt
80 - 95	Limestone : Grey & Chirt
95 - 110	Limestone : White
110 - 136	Limestone & Shale : Grey

068-08W-08

IOWA GEOLOGICAL SURVEY W10301
In Cooperation with U. S. Geological Survey
RECORD OF WELL

Location: IN CITY PARK

Town: BONAPARTE (NE) (SW) County VAN BUREN

sec. 8 T. 68 N., R. 8 (W.) Twp

Well name and number

Owner CITY OF BONAPARTE (1957) Address BONAPARTE, IOWA

Tenant Address

Contractor SCHLICHER WELL CO. Address

Drillers L.A. GRAY

Drilling dates OCT. 8-21, 1957

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

Determined by

Topographic position

Total depth: Reported 136' feet; Measured feet

Drilling method CABLE TOOLS

Hole and casing data 29' 2" OF 10" CASING

Original depth to water 27.8 ft. above below Date

Source of data

Sources of water: Principal 35-45'

Others

PRODUCTION DATA

Date _____

Static water level 27.8

Pumping water level 126

Yield (g.p.m.) 25

Measuring point _____

Duration of pumping _____

Specific capacity _____

W1030 1 LABORATORY DATA

DB1-9

Well No. _____ Sample range 0 - 136 No. of samples 27

No. of dupls. and cond. 27 Good Washed range 19 - 136

Samples prepared by R Valentine Date 22 Sep 58

Logged by NORTHUP Date 9/9/59

Correlations by " Date 9/9/59

DRILLER'S NOTEBOOK

WI 03 01

WELL RECORD

DRILLER L. A. Gray

ADDRESS Bonaparte, Iowa

OWNER City of Bonaparte

ADDRESS Bonaparte, Ia

RETURN TO

IOWA GEOLOGICAL SURVEY

IOWA CITY, IOWA

DRILLER'S NOTE

It is important that a driller's notebook, filled out as completely as possible, be sent to the Iowa Geological Survey at the completion of each hole. A number of drillers have found it convenient to string samples from a single well on a heavy wire and attach the log book to them. A hole has been punched in the log book for this purpose.

Sample sacks and log books will be furnished by the Geological Survey. A copy of the log book will be made and returned if desired by the driller.

SUGGESTIONS TO DRILLERS

1. Samples should be taken from each bed passed through, and never more than 5 feet apart, even in the same bed.
2. Samples should not be washed, except to remove excess drilling mud, as washed samples may give a wrong idea of the character of the bed.
3. Fill out the label on each sample bag with the name of the well and the depth interval which the sample represents.
4. Make frequent use of the "Description" column to explain the material being drilled.
5. Note depth and thickness of all water-bearing layers.
6. Note the quality of the water from each layer: as hard, soft, salty, alkaline, or sulphur bearing.
7. Note height to which water from each layer rises in well, and give flow or capacity in gallons per minute.
8. Fossils, such as oyster, clam, and other shells, are important and should be placed in bags with the material with which they are found and carefully labeled as to the depth from which they were obtained.
9. If you do not understand what is wanted, or desire information on any point, write to the Iowa Geological Survey, Iowa City, Iowa.
10. Samples may be boxed and sent to IOWA GEOLOGICAL SURVEY, IOWA CITY, IOWA, EXPRESS COLLECT.

The Iowa Geological Survey desires to assist and cooperate with owners and drillers in every way possible, and will be glad to answer questions and assist in the solution of problems at any time.

PB-19825-SP

There is 35' of 16" Hole and 10" Pipe set & cemented to 5' above ground level.

WELL RECORD

In City Park

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

Bonaparte (Nearest Town) in Van Buren (County),

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

Owner City of Bonaparte Well No. .....

Postoffice address Bonaparte, Ia

Contractor Sublette Well Co

Address Mount Pleasant, Ia

Driller L. A. Horney

Well begun Oct 8, 1957

completed Oct 21, 1957

Rig used—Cable, Rotary, Jet, or .....

Depth of well 1,136 ft (Feet)

Size of hole (note total amount of each size) 10

1,136' of 10" Hole

Main water supply at 35.45 (Feet below surface)

Final water head 27.8" (Feet above or below surface)

Is well pumped? ~~Yes~~ Gas

Yield 25 GPM (Gallons per minute)

Water level when pumping 1,96

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

Sample No.	DEPTH From	DEPTH To	THICKNESS	DESCRIPTION OF BEDS — KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
1	0	5		Soil
2	5	10		Clay Brown
3	10	15		" "
4	15	19		" "
5	19	20		Limestone white
6	20	25		" "
7	25	30		" Chalky "
8	30	35	W	" "
9	35	40		" "
10	40	45	W	" "
11	45	50		" "
12	50	55		" shale " "
13	55	60		" " "
14	60	65		" " Gray
15	65	70		" " "
16	70	75		" " Brown "
17	75	80		" " "

Sample No.	DEPTH From	DEPTH To	THICKNESS	DESCRIPTION OF BEDS — KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
18	80	85		Limestone Chalky gray
19	85	90		" " "
20	90	95		" " "
21	95	100		" white
22	100	105		" "
23	105	110		" "
24	110	115		" Shale mx Gray.
25	115	120		" " " "
26	120	125		" " " "
27	125	130		" " " "
28	130	136		" " " "