

W 10563

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

Location:

Town: Buffalo (NE) (SW) County Scott (E)

NW NE SW sec. 22 T. 77 N. R. 2 W. Twp

Well name and number

Owner Town of Buffalo #1 Address Buffalo

Tenant _____ Address _____

Contractor L.F. Winslow Address Walcott

Drillers Edwin Winslow

Drilling dates October, 1958

Well data:

Altitudes: Drilling curb _____ feet; Land surface 564 feet

Determined by _____

Topographic position side hill

Total depth: Reported 405' feet; Measured _____ feet

Drilling method cable

Hole and casing data 158' of 12" CASING

9.6' of 18" CASING

Original depth to water _____ above
ft. below _____ Date _____

Source of data _____

Sources of water: Principal 200' on

Others _____

PRODUCTION DATA

Date _____

Static water level 25'

Pumping water level 67'

Yield (g.p.m.) 200

Measuring point _____

Duration of pumping _____

Specific capacity _____

LABORATORY DATA

Well No. W 10563 Sample range 0-405 No. of samples 77 DB5-6

No. of dupls. and cond. 77 fair Washed range 3-405

Samples prepared by K. Sargent Date 12/24/58

Logged by NORTHUP Date 2/25/59

Correlations by _____ Date 2/25/59

WELL RECORD

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

Buffalo in *Scott*
(Nearest Town) (County)

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

Owner *Tom & Bill* Well No. *1*

Postoffice address *Buffalo, Iowa*

Contractor *E. F. Kingless*

Address *Walcott, Iowa*

Driller *Edmund W. Anderson*

Well begun....., 19*58*;

completed....., 19*58*

Rig used—Cable, Rotary, Jet, or.....

Depth of well.....*40.5*
(Feet)

Size of hole (note total amount of each size) *15.8*

of 18 in. 247 of 12 hole

Main water supply at.....*200.00*

(Feet below surface)

Final water head.....*25 ft*

(Feet above or below surface)

Is well pumped? *yes*

Yield.....*200*

(Gallons per minute)

Water level when pumping.....*6.7 feet*

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

RECORD OF PERMANENT CASING

Size Pipe	Amount of Pipe	Depth to Bottom of Pipe	Depth to Top of Pipe	Type* and Weight of Pipe	DIAGRAM OF WELL
<i>18 in</i>	<i>9.6</i>			<i>3/8 in</i>	
<i>12</i>	<i>162</i>	<i>158</i>	<i>0</i>	<i>3/8 49 lb.</i>	

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

Is screen used?..... Diameter.....
(Inches)

Length..... Depth to bottom.....
(Feet)

Depth to top..... Slot size.....

Are packers or seals used?.....

Kind

Where used.....

Kind of pump..... Dia.....
(Inches)

Capacity of pump.....
(g.p.m.)

Power used.....
(Kind and amount)

Depth to bottom of pump line..... feet,

including feet tailpiece.

Remarks on construction of well.....

Sample No.	DEPTH		THICKNESS
	From	To	
1	0'	3'	3
2	3	10'	7
3	10	15	5
4	15	20	5
5	20	25	5
6	25	30	5
7	30	35	"
8	35	40	"
9	40	45	"
10	45	50	"
11	50	55	"
12	55	60	"
13	60	65	"
14	65	70	"
15	70	75	"
16	75	80	"
17	80	85	"

[illegible]

Sample No.	DEPTH		THICKNESS
	From	To	
18	85	90	5
19	90	95	5
20	95	100	5
21	100	105	5
22	105	110	5
23	110	115	5
24	115	119	4
25	119	123	4
26	123	130	7
27	130	135	0
28	135	140	5
29	140	145	5
30	145	150	5
31	150	155	5
32	155	158	3
33	158	160	2
34	160	165	5

DESCRIPTION OF BEDS			
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.			
Light Brown or tan	Has	1st	Rock
"	"	"	"
"	"	"	"
"	"	"	"
Dark Gray Lime	Broken	2nd	Rock and Muddy
Blue mud	Very Thin	Sample	no
Broken Rock	Lost	Sample	in Break
Big Break Full of Water	(note) First sample taken since	110' other samples lost in crevice	First
Broken Rock			
Broken Rock			
Hard Rock			
"	"		
"	"	PIPE Grouted	at 158
"	"		
Softer gray. Rock			

Sample No.	DEPTH		THICKNESS
	From	To	
52	250	255	5
53	255	260	5
54	260	265	5
55	265	270	5
56	270	275	5
57	275	280	5
58	280	285	5
59	285	290	5
60	290	295	5
61	295	300	5
62	300	305	5
63	305	310	5
64	310	315	5
65	315	320	5
66	320	325	5
67	325	330	5
68	330	335	5

DESCRIPTION OF BEDS

KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.

Hard Light Gray Rock

Softer Gray Rock

Sample No.	DEPTH		THICKNESS
	From	To	
69	335	340	5
70	340	345	5
71	345	350	5
72	350	355	5
73	355	360	5
74	360	365	5
75	365	370	5
76	370	375	5
77	375	380	5
78	380	385	5
79	385	390	5
80	390	395	5
81	395	400	5
82	400	405	2
83	405	410	5
			5

DESCRIPTION OF BEDS	
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.	
Gray White Rock	
Whitish Gray Rock	
" " "	
" " "	
5' Shale Drilled	