

THORPE WELL COMPANY

2340 SIXTH AVENUE
DES MOINES, IOWA

IOWA GEOLOGICAL SURVEY

AUG 8 1959

Drilled for City Water Works at Bancroft, Iowa
One block east of water tower and No. 1 well

Well is located _____ miles N-E-S-W and _____ miles N-E-S-W from _____

in the _____ 1/4 _____ 1/4 Section _____ Township _____ Range _____

Drilling started 9-2- 19 59 Completed 9-15 19 59

Well No. 1 Kind of Well Rotary drilled Depth 540' Size hole started 15" in

Finish 7 3/8" G. P. M. 313 Static Head 38' Pumping level from surface 46'

Water was first encountered at limestone in _____ Approx. Amt. _____ Temp. 52°

Remarks 1000 gallon acid pumped into the rock

(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
<u>8"</u>	<u>198'</u>	<u>195'</u>	<u>3'</u>	<u>PE steel casing</u>		

Driller Bob Yarbrow From Surface to _____ feet

Driller Guy Lemar From _____ feet to _____ feet

Driller _____ From _____ feet to _____ feet

AMOUNT IN FEET	KIND OF SOIL OR FORMATION (BE SPECIFIC)	TOTAL DEPTH FEET
<u>5</u>	<u>Top soil</u>	<u>5</u>
<u>30</u>	<u>Sand</u>	<u>35</u>
<u>65</u>	<u>Blue shale & layers of rock</u>	<u>100</u>
<u>60</u>	<u>Gray shale & layers of rock</u>	<u>160</u>
<u>29</u>	<u>Yellow shale & layers of rock</u>	<u>189</u>
<u>6</u>	<u>Hard rock</u>	<u>195</u>
<u>20</u>	<u>Dark gray limestone</u>	<u>215</u>
<u>35</u>	<u>Brown limestone</u>	<u>240</u>
<u>3</u>	<u>Gray limestone</u>	<u>243</u>
<u>5</u>	<u>Brown limestone & shale layers</u>	<u>248</u>
<u>34</u>	<u>White limestone - hard</u>	<u>282</u>
<u>36</u>	<u>White & gray limestone</u>	<u>318</u>
<u>10</u>	<u>Dark gray limestone</u>	<u>328</u>
<u>57</u>	<u>Brown limestone</u>	<u>385</u>
	<u>--over--</u>	

THORPE WELL COMPANY

2340 SIXTH AVENUE

DES MOINES, IOWA

20	White limestone	405
25	Light brown & few gray streaks limestone	430
		448
18	Light Gray limestone - hard	448
82	Dark gray limestone - hard	530
5	Gray lime & shale breaks	535
5	Shale & limestone layers	540

1000 Gallons acid pumped into the well

DETAILED RECORD OF REMANENT PIPE

DEPTH OF PIPE	DEPTH TO BOTTOM OF PIPE	AMOUNT OF PIPE	REMARKS
0	0	0	
1	1	1	
2	2	2	
3	3	3	
4	4	4	
5	5	5	
6	6	6	
7	7	7	
8	8	8	
9	9	9	
10	10	10	
11	11	11	
12	12	12	
13	13	13	
14	14	14	
15	15	15	
16	16	16	
17	17	17	
18	18	18	
19	19	19	
20	20	20	
21	21	21	
22	22	22	
23	23	23	
24	24	24	
25	25	25	
26	26	26	
27	27	27	
28	28	28	
29	29	29	
30	30	30	
31	31	31	
32	32	32	
33	33	33	
34	34	34	
35	35	35	
36	36	36	
37	37	37	
38	38	38	
39	39	39	
40	40	40	
41	41	41	
42	42	42	
43	43	43	
44	44	44	
45	45	45	
46	46	46	
47	47	47	
48	48	48	
49	49	49	
50	50	50	
51	51	51	
52	52	52	
53	53	53	
54	54	54	
55	55	55	
56	56	56	
57	57	57	
58	58	58	
59	59	59	
60	60	60	
61	61	61	
62	62	62	
63	63	63	
64	64	64	
65	65	65	
66	66	66	
67	67	67	
68	68	68	
69	69	69	
70	70	70	
71	71	71	
72	72	72	
73	73	73	
74	74	74	
75	75	75	
76	76	76	
77	77	77	
78	78	78	
79	79	79	
80	80	80	
81	81	81	
82	82	82	
83	83	83	
84	84	84	
85	85	85	
86	86	86	
87	87	87	
88	88	88	
89	89	89	
90	90	90	
91	91	91	
92	92	92	
93	93	93	
94	94	94	
95	95	95	
96	96	96	
97	97	97	
98	98	98	
99	99	99	
100	100	100	

AMOUNT IN FEET	KIND OF SOIL OR STRATUM THE SPECIES	TOTAL DEPTH IN FEET
0	Top soil	0
10	Gravel	10
20	Blue shale & layers of sand	20
30	Gray shale & layers of sand	30
40	Yellow shale & layers of sand	40
50	Hard rock	50
60	Dark gray limestone	60
70	Brown limestone	70
80	Gray limestone	80
90	Brown limestone & shale breaks	90
100	White limestone - hard	100
110	White & gray limestone	110
120	Dark gray limestone	120
130	Brown limestone	130

7½' Bancroft Quad
098-29W-24 ACBC
1980 field located by D. Karsten

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

field located Mc Carthy 1978

W12277

Location: 1 BLK E. OF WATER TOWER NW WELL #1

Town: BANCROFT (NE) County KOSSUTH
SW NW SW NE sec. 24, T. 98N (E) R. 29
sec. 24 T. 98 N., R. 29 (W) Twp.

Well name and number

Owner BANCROFT TOWN WELL Address BANCROFT, IOWA
(1960)

Tenant Address

Contractor THORPE WELL CO. Address DES MOINES, IOWA

Drillers BOB YARDEN - GUY LEMAR

Drilling dates SEPT 2-15, 1960

Well data:

Altitudes: Drilling curb feet; Land surface topo elev. 1183' feet

Determined by

Topographic position

Total depth: Reported 540' feet; Measured feet

Drilling method ROTARY

Hole and casing data 198' OF 8" PIPE

Original depth to water 38 above
ft. below Date

Source of data

Sources of water: Principal _____

Others _____

PRODUCTION DATA

Date _____

Static water level _____

38

Pumping water level _____

46

Yield (g.p.m.) _____

313

- ACIDIZED WITH 1000 GALLONS

Measuring point _____

TEMP. WATER 52°

Duration of pumping _____

Specific capacity _____

3.9

LABORATORY DATA

TL3-1

Well No. W12277

Sample range

0-195' / 400-540

No. of samples 67No. of dupls. and cond. 67-900 d

Washed range

110'-195' / 400'-540

Samples prepared by W. L. Rhoads

Date

8/8/60

Logged by NORTHUP

Date

1/20/61

Correlations by _____

Date

1/20/61