

30273

DRILLER'S NOTEBOOK

WELL RECORD

Driller

Alnie

Address

Owner

City of Rake

Tenant

Address

RETURN TO

IOWA GEOLOGICAL SURVEY
IOWA CITY, IOWA

WHEN RECORD IS COMPLETED PUT IN ENVELOPE AND MAIL TO

THE DIRECTOR

IOWA GEOLOGICAL SURVEY

IOWA CITY, IOWA 52240

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 52240.

10. Samples may be boxed and sent to IOWA GEOLOGICAL SURVEY, IOWA CITY, IOWA.

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.

WELL RECORD

Well is located _____ miles _____ N
E _____ E
W _____ W

_____ in _____,
(Nearest Town) (County)

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

Owner City Well No. _____

Postoffice address Rake Iowa

Contractor _____

Address _____

Driller _____

Well begun _____, 19____;

completed _____, 19____

Rig used—Cable, Rotary, Jet, or _____

Depth of well _____
(Feet)

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

Main water supply at _____
(Feet below surface)

Final water head _____
(Feet above or below surface)

Is well pumped? _____

Yield _____
(Gallons per minute)

Water level when pumping _____

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

30273

RECORD OF PERMANENT CASING

[illegible]

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.

[illegible]

^oAs cast, wrought iron, steel, concrete, etc.

Is screen used? No Diameter _____ (Inches)

Length _____ Depth to bottom _____
(Feet)

Depth to top _____ Slot size _____

Are packers or seals used? No

Kind _____

Where used _____

Kind of pump Goulds Dia. 6"
(Inches)

Capacity of pump 250 GPM
(g.p.m.)

Power used 238 3 p wh
(Kind and amount)

Depth to bottom of pump line 100 feet,
including _____ feet tailpiece.

Remarks on construction of well_____

30273

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

DESCRIPTION OF BEDS
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
top soil
Blue Clay
" "
" "
Blue Clay + sand
" " "
" " "
Blue Clay
" "
Blue Clay + sand
" "
Blue Clay + sand
Blue Clay
" "
" "
" "
Blue Clay + sand

3 0 2 7 3

SAMPLE NO.	DEPTH		THICKNESS
	From	To	
35	170	175	5
36	175	180	5
37	180	185	5
38	185	190	5
39	190	195	5
40	195	200	5
41	200	205	5
42	205	210	5
43	210	215	5
44	215	220	5
45	220	225	5
46	225	230	5
47	230	235	5
48	235	240	5
49	240	245	5
50	245	250	5

[illegible]