DRILLER'S NOTEBOOK

W 12222

WELL RECORD

DRILLER Mel St. Marks

ADDRESS Shelby

OWNER .....

ADDRESS .....

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-22801-SP

12222

WELL RECORD

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

..... in.....,
(Nearest Town) (County)

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

Owner.....HARTLEY..... Well No.....

Postoffice address .....

Contractor .....

Address .....

Driller .....

Well begun.....4-4-60....., 1960;

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.)

BOULDERS AT 139

Sample No.	DEPTH From	DEPTH To	THICKNESS	DESCRIPTION OF BEDS — KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
	0	2	2	TOP SOIL
	2	30	28	YELLOW CLAY
	30	35	5	BROWN CLAY
	35	195	160	BLUE CLAY
	195	198	3	Sand
	198	205	7	BROWN CLAY & WOOD
	205	333	128	GRAY CLAY
	333	334	1	NEBRASKAN SAND
	334	340	.6	BROWN SHALE
	340	395	55	GRAY SHALE SANDY
	395	405	10	SOFT SAND STONE
	405	412	7	WHITE SHALE
	412	417	5	HARD SAND STONE
	417	422	5	SHALE & SAND STONE STREAKS
	422	432	10	SHALE
	432	453	21	HARD SAND STONE
	453	470	17	SOFT SAND STONE

Sample No.	DEPTH From	DEPTH To	THICKNESS	DESCRIPTION OF BEDS KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
	470	478	8	HARD SAND STONE
	478	479	1	SOFT SAND STONE
	479	481	2	HARD SAND STONE
	481	482	1	SOFT SAND STONE
	482	555	73	HARD SAND STONE WITH A FEW SOFT STREAKS
	555	586	31	SOFT SAND STONE COARSE
	586	590	4	GRAY SHALE