DRILLER'S NOTEBOOK

30322

WELL RECORD

Driller Bill Bueno

Address Webster City

Iowa

Owner Humboldt County Clerk

Address Humboldt

Iowa 50548

Box 385

RETURN TO

Iowa Department of Natural Resources
GEOLOGICAL SURVEY BUREAU
123 North Capitol Street
IOWA CITY, IOWA 52240
(319) 335-1575

WHEN RECORD IS COMPLETED PUT IN ENVELOPE AND MAIL TO

THE DIRECTOR

Iowa Department of Natural Resources
GEOLOGICAL SURVEY BUREAU
123 North Capitol Street
IOWA CITY, IOWA 52240
(319) 335-1575

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.

A-7397

West of Lundale
3-4/49

WELL RECORD 30322

Well is located 1/2 N 1/2 E miles S and miles S W from
Humboldt in Humboldt,
(Nearest Town) (County)

in the ¼ ¼ Sec. T. R.

Owner Club Well No.

Postoffice address Humboldt Ia

Contractor Bill Beaver Well Co

Address RR 2 - Webster City

Driller Milo Bell

Well begun Dec 28, 1948;

completed Jan 4, 1949

Rig used—Cable, Rotary, Jet, or Rotary

Depth of well 117 (Feet)

Size of hole (note total amount of each size) 7" Steel
67 of 7" pipe 0-99 5" Steel Pipe

Main water supply at 100. (Feet below surface)

Final water head 15 (Feet above or below surface)

Is well pumped? Yes

Yield 15 (Gallons per minute)

Water level when pumping 35

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

Date and Time	Water Level	SOURCE OF WATER		Production in Gallons per Minute	Pumping Level
		Depth	Type of Rock		

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.

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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
7"			0	67 feet.	
			0	99 feet	
		Well is drilled			
		Case for 67 feet			

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

Is screen used? No Diameter_____ (Inches)

Length_____ (Feet) Depth to bottom_____

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_____

_____

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SAMPLE NO.	DEPTH From	DEPTH To	THICKNESS	DESCRIPTION OF BEDS KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
	0	3		Top Soil
	3	6		Broken Limestone
	6	12		Soft Limestone
	12	15		Gravel & Boulders
	15	18		Yellow Sandstone
	18	35		Yellow Sand
	35	80		Yellow Sandstone & Stone
	~~80~~	~~91~~		~~Yellow Shale~~
	80	91		Yellow Shale & Fracture Rock
	91	100		Crevices of Rock & Sandstone
	100	112		Rock & Sandstone & Crevices
				Salt Water