

**DRILLER'S NOTEBOOK**

**WELL RECORD**

Driller: Jaime Well  
Address: 10301 Feather Ridge  
Toddville IA 52341

Owner: P. B. Stone  
Address: Swisher IA

**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

### WELL RECORD

Well is located \_\_\_\_\_ miles S and \_\_\_\_\_ miles S from  
 N E W  
 \_\_\_\_\_ in \_\_\_\_\_ (County)  
 \_\_\_\_\_ in the \_\_\_\_\_ ¼ Sec. \_\_\_\_\_ T. \_\_\_\_\_ R.  
 Owner P. P. Stone Well No. 1  
 Postoffice address Swisher  
 Contractor Frank W. D. Dickey  
 Address 10301 Frothe Ridge Rd  
Toddville Ben Ray  
 Driller \_\_\_\_\_  
 Well begun \_\_\_\_\_, 1924  
 completed \_\_\_\_\_, 1926  
 Rig used—Cable, Rotary, Jet, or \_\_\_\_\_  
 Depth of well \_\_\_\_\_ 36.5 (Feet)  
 Size of hole (note total amount of each size) 11"  
6"  
 Main water supply at \_\_\_\_\_ 345 - 365  
 (Feet below surface)  
 Final water head \_\_\_\_\_ 12.0  
 (Feet above or below surface)  
 Is well pumped? Yes  
 Yield \_\_\_\_\_ 2.5 (Gallons per minute)  
 Water level when pumping \_\_\_\_\_ 240  
 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
6"	297	295	297	280	

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

Is screen used?----- Diameter----- (Inches)  
 Length----- (Feet) Depth to bottom-----  
 Depth to top----- Slot size-----  
 Are packers or seals used?----- No  
 Kind-----  
 Where used-----  
 Kind of pump----- Dia----- (Inches)  
 Capacity of pump----- 2.5 (g.p.m.)

Power used----- (Kind and amount)  
 Depth to bottom of pump line----- 245----- feet,  
 including----- feet tailpiece.  
 Remarks on construction of well-----

Date and Time	SOURCE OF WATER		Production in Gallons per Minute	Pumping Level
	Water Level	Depth		
	120	365	2.5	245

**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.

