

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.

WELL RECORD

Well is located $\frac{N}{E}$ $\frac{W}{S}$ miles S and $\frac{N}{E}$ $\frac{W}{S}$ miles S from

SPRINGVILLE, IA in LINCOLN (County)

in the $\frac{N}{E}$ $\frac{W}{S}$ Sec. $\frac{N}{E}$ $\frac{W}{S}$ T. $\frac{N}{E}$ $\frac{W}{S}$ R.

Owner Doc Neal Well No. _____

Postoffice address SPRINGVILLE, IOWA

Contractor FEESSE WELL DRILLING, I.A.S.

Address 1021 DICKENS BLDG. SE. TOWNSHIP, IA

Driller REX FEESSE

Well begun NOVEMBER 7, 1922;

completed DECEMBER 27, 1922.

Rig used—Cable, Rotary, Jet, or _____

Depth of well 315' (Feet)

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

Main water supply at 55' (Feet below surface)

Final water head _____ (Feet above or below surface)

Is well pumped? _____

Yield 200 (Gallons per minute)

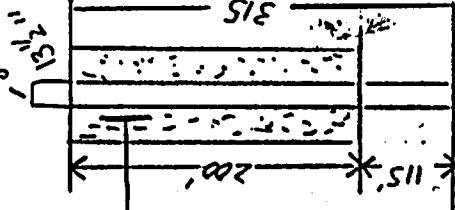
Water level when pumping _____

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

RECORD OF PERMANENT CASING

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

Size Pipe	Amount of Pipe	Depth to Bottom of Pipe	Depth to Top of Pipe	Type and Weight of Pipe



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

Is screen used? NO Diameter (Inches)

Length 300' (Feet) Depth to bottom 315'

Depth to top Slot size

Are packers or seals used?

Kind

Where used

Kind of pump Dia (Inches)

Capacity of pump 300 (G.P.M.)

Power used ELECTRIC (Kind and amount)

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

Remarks on construction of well

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.

