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.

PD H-7669

Permit pw 1149 #31130

WELL RECORD

Well is located 3 miles N E S W and 1 miles N E W S from

Lake Mills (Nearest Town) in Winnebago (County),

in the NW¼NW¼ ¼ Sec. 24 T. 99 R. 23W

Owner Rice Lake Country Cl. Well No. _____

Postoffice address RR2 Lake Mills Ia

Contractor Bremer Well Drilling Inc

Address Rt 1 Box 2 Fairmont Mn.

Driller Tim Kollasch

Well begun 6/16, 1989;

completed 7/16, 1989

Rig used—Cable, Rotary, Jet, or _____

Depth of well 156' (Feet)

Size of hole (note total amount of each size) ~~12~~ 6" 0-106' - 5¾ 106-156'

Main water supply at 110' - 136' (Feet below surface)

Final water head 12' (Feet above or below surface)

Is well pumped? yes

Yield 200 (Gallons per minute)

Water level when pumping 100'

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

#31130

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.

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"	106'	106'		200 lb PVC	
106' – 156' open rock					

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

Is screen used? Nil 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 _____

_____

#31130

SAMPLE NO.	DEPTH From	DEPTH To	THICKNESS	DESCRIPTION OF BEDS — KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
	65'	70'	5'	blue clay
	70'	75'	5'	" "
	75'	80'	5'	" "
	80'	82'	2'	" "
	82'	85'	3'	sand
	85'	87'	2'	sand
	87	90	3'	brown clay
	90'	93'	3'	tan clay
	93'	94'	1'	limestone med tan
	94'	95'	1'	green shale
	95'	98'	3'	"
	98	100	2'	rock brown limestone mixed
	100'	105'	5'	" "
	105'	110	5	" " water
	110'	115'	5'	brown rock limestone soft, water
	115'	120'	5'	" "
	120'	125'	5'	"

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SAMPLE NO.	DEPTH From	DEPTH To	THICKNESS	DESCRIPTION OF BEDS — KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
	0	2'	2'	topsoil black
	2'	5'	3'	brown clay & sand mixed
	5'	10'	5'	" "
	10'	15'	5'	" "
	15'	18'	3'	" "
	18'	20	2	blue clay
	20'	25'	5'	" "
	25'	30'	5'	" "
	30'	35'	5'	" "
	35'	40'	5'	" "
	40'	45'	"	" "
	45'	50'	"	" "
	50'	51'	1'	" "
	51'	55'	4'	sand & blue clay mix
	55'	57'	2'	" "
	57'	60'	3'	blue clay
	60'	65'	5'	" "

#31130

SAMPLE NO.	DEPTH From	DEPTH To	THICKNESS	DESCRIPTION OF BEDS — KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
	125'	130'	5'	gold limestone med
	130'	135'	5'	" " "
	135'	140	5'	" " "
	140'	142	2'	" "
	142'	145'	3'	brown rock limestone soft water
	145'	150'	5'	" " " "
	150'	155'	5'	brown rock med
	155'	156'	1'	" " "