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

#31687

WELL RECORD

Well is located 6 miles S (F) and 1 miles S (N) from W (E) W

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

in the SW¼ SW¼ Sec. 26 T. 100 N R. 22 W

Owner Rodney Hagen Well No. 2

Postoffice address RR2 Box 202 Lake Mills Ia

Contractor Beemer Well Drilling Inc

Address Rt 1 Box 2 Fairmont Mn.

Driller Tim Kollasch

Well begun 9-6, 1990;

completed 9-7, 1990

Rig used—Cable, (Rotary), Jet, or

Depth of well 175 (Feet)

Size of hole (note total amount of each size)

10" 0-143 5" @ 143-175 {32'}

Main water supply at 145-162 (Feet below surface)

Final water head 50 (Feet above or below surface)

Is well pumped? yes

Yield 20 (Gallons per minute)

Water level when pumping 90

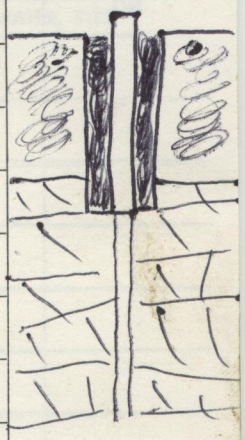
Position of well hill (Upland, valley, side hill, etc.)

#31687

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
5"	143'	143		200lb PVC	
4"	20'	160	1'		

*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 _____

_____

SAMPLE NO.	DEPTH		THICKNESS	DESCRIPTION OF BEDS
	From	To		KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
	0	2'	2'	black dirt
	2'	5'	3'	brown clay
	5'	10'	5'	brown clay
	10'	15'	"	brown clay
	15'	20'	"	brown clay
	20'	22'	2'	brown clay
	22'	25'	3'	blue clay
	25'	30'	5'	blue clay
	30'	35'	5'	blue clay
	35'	40'	5'	blue clay
	40'	45'	5'	blue clay
	45'	50'	5'	blue clay
	50'	55'	5'	" "
	55'	60'	5'	" "
	60'	65'	5'	" "
	65'	70'	5'	" "
	70'	75'	5'	" "

#31687

SAMPLE NO.	DEPTH From	DEPTH To	THICKNESS	DESCRIPTION OF BEDS — KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
	75'	80'	5'	blue clay
	80'	85'	"	"
	85'	90'	"	"
	90'	95'	"	"
	95'	100'	"	"
	100'	105'	"	"
	105'	110'	"	"
	110'	115'	"	"
	115'	120'	"	"
	120'	125'	"	"
	125'	130'	"	"
	130'	135'	"	"
	135'	138'	3'	tan Clay
	138'	140'	2'	brown limestone water
	140'	145'	5'	" "
	145'	146'	1'	White limestone some green shale
	146'	150'	4'	" " 147'-147½' green shale

SAMPLE NO.	DEPTH From	DEPTH To	THICKNESS	DESCRIPTION OF BEDS — KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
	150'	~~150~~ 155		brown lime stone med water
	155	160'		" "
	160	162'		" " water
	162'	165'		shale green
	165	170'		white shale
	170'	175		green shale & rock mix