

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

Lot D

#29340

WELL RECORD

Well is located $\frac{1}{2}$ miles $\begin{matrix} N \\ E \\ W \end{matrix}$ and $\frac{1}{2}$ miles $\begin{matrix} N \\ E \\ W \end{matrix}$ from

Ventura in Cerro Gordo
(Nearest Town) (County)

in the $\frac{1}{4}$ $\frac{1}{4}$ Sec. 20 T. 96N R. 23W

Owner _____ Well No. 2

Postoffice address _____

Contractor Beemer Well Drilling Inc

Address P.O. Box 2 Fairmont Minn

Driller Tim Kallisch

Well begun 6/13, 1980

completed 6/14, 1988

Rig used—Rotary, Jet, or _____

Depth of well _____ (Feet)

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

11" hole to 138' 138'-175' 5' open

Main water supply at 150-175'
(Feet below surface)

Final water head 70
(Feet above or below surface)

Is well pumped? yes

Yield 18 to 20 40 off bottom
(Gallons per minute)

Water level when pumping 100'

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

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SAMPLE NO.	DEPTH		THICKNESS
	From	To	
	0	1'	1'
	10 1'	5'	40'
	5'	10'	5'
	10'	13'	3'
	13'	15'	2'
	15	20	5'
	20	25	5'
	25'	30'	5'
	30'	35'	5'
	35'	40'	5'
	40	45	5'
	45	50	5'
	50 "	52'	2'
	52'	55'	3'
	55'	60'	5'
	60	65	"
	65	70	"

DESCRIPTION OF BEDS	
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.	
top soil	black dirt
brown clay	soft
"	"
"	"
gravel	
"	"
"	"
"	" a blue clay mix
"	"
blue clay	
"	"
"	"
gravel & blue clay mix	
"	"
blue clay	
"	"
"	"

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SAMPLE NO.	DEPTH		THICKNESS
	From	To	
	70'	75'	5'
	75	80	5'
	80	85	5'
	85	90	5'
	90	95	5'
	95	98 98	3' 0"
	98	100	2'
	100	105	5'
	105	110	5'
	110'	111'	1'
	111'	115'	4'
	115	120	5'
	120	125	"
	125	130	"
	130	135	"
	135	136'	1'
	136'	138'	2'

DESCRIPTION OF BEDS	
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.	
blue clay	
Brown clay	
" "	
" "	
" "	
greenish brown clay soft	
" "	soft
yellow clay med	
yellow clay med	
blue clay	
" "	
greenish blue clay	
" "	
" "	
" "	
" "	
gray rock med	

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[illegible]

DESCRIPTION OF BEDS			
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.			
gray		med	
tan	to soft		water
"	"		"
green & tan		hard	
green shale		hard	
brown rock			
"			
tan & grey			
brown		water	soft
" "		"	"
" "		"	"