#19833

DRILLER'S NOTEBOOK

WELL RECORD

Driller BOB WINKLER

Address SCHALLER, IA

Owner SAC CO PARK

Tenant

Address

RETURN TO

IOWA GEOLOGICAL SURVEY

IOWA CITY, IOWA

WHEN RECORD IS COMPLETED PUT IN ENVELOPE AND MAIL TO

THE DIRECTOR

IOWA GEOLOGICAL SURVEY

IOWA CITY, 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-8823

#19833

WELL RECORD

Well is located ____ N/S ____ miles and 1/2 E/W ____ miles from SAC CITY (Nearest Town) in SAC (County),

in the NW¼ NW¼ Sec. 1 T. 82N R. 36W

Owner SAC CO. PARK Well No. 1

Postoffice address ____

Contractor M.E. MERKLEY

Address SCHALLER, IA

Driller BOB WINKLER

Well begun MAY 12, 19 67;

completed MAY 13, 19 67

Rig used—Cable, (Rotary), Jet, or ____

Depth of well 112' (Feet)

Size of hole (note total amount of each size) 112' OF 6" PIPE

Main water supply at 97' TO 107' (Feet below surface)

Final water head 96 (Feet above or below surface)

Is well pumped? YES

Yield 16 (Gallons per minute)

Water level when pumping 96

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

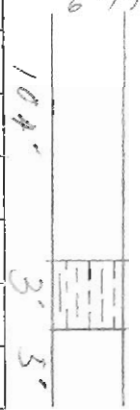
Date and Time	Water Level	SOURCE OF WATER		Production in Gallons per Minute	Pumping Level
		Depth	Type of Rock		
5-13-67	96	92' 107'	GRAVEL	16	96'

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
6"	112'	112	0	20# BLACK

DIAGRAM OF WELL



°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 SLOTTED PIPE 104' TO 107'

SAMPLE NO.	DEPTH From	DEPTH To	THICKNESS	DESCRIPTION OF BEDS KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
		2	2	TOP OIL
	2	5	3	SANDY YELLO CLAY
			11	AND
		34	18	YELLOW CLAY
	34	36	2	YELLOW SAND
	36	40	4	BLUE CLAY
	40	46	6	YELLOW SAND
	46	59	13	BLUE CLAY
	59	61	2	GRAVEL
	61	65	4	YELLOW CLAY
	65	85	20	BLUE CLAY
	85	90	5	YELLOW CLAY
	90	97	7	SAND
	97	107	10	GRAVEL
	107	11.	5	YELLOW CLAY