

DRILLER'S NOTEBOOK

#33442

1-13-89

WELL RECORD

Driller Kirk S. Latta

Address Latta Well Pump

Rt 2 Box 21, Wilton, IA  
52978

Owner Ron VAN HORST

Tenant Carriage Meadows  
Subdiv

Address Bettendorf, IA

1050 Carriage Place Dr.  
Bettendorf, Iowa  
52722

RETURN TO

IOWA GEOLOGICAL SURVEY  
IOWA CITY, IOWA

78N-4E 4330

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

WELL RECORD

Well is located 1/4 miles S and 1/4 miles S from W E N E W

BETTENDORF in SCOTT (Nearest Town) (County)

in the 1/4 Sec. 1 T. 1 R. 1

Owner W. H. HORSF Well No. 1

Postoffice address BETTENDORF

Contractor KATTA well + pump

Address RR Box 91 WILTON, IA

Driller KIRK KATTA

Well begun JAN 13, 1987

completed JAN 13, 1987

Rig used—Cable, Rotary, Jet, or Rotary

Depth of well 318' (Feet)

Size of hole (note total amount of each size)

Main water supply at (Feet below surface)

Final water head (Feet above or below surface) 125

Is well pumped?

Yield 7.50 GPM (Gallons per minute)

Water level when pumping 70'

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

# 33442

RECORD OF PERMANENT CASING

Date and Time	SOURCE OF WATER		Production in Gallons per Minute	Pumping Level	Size Pipe	Amount of Pipe	Depth to Bottom of Pipe	Depth to Top of Pipe	Type and Weight of Pipe	DIAGRAM OF WELL
	Water Level	Depth								
						147' casing set				7" OD Steel

\*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 \_\_\_\_\_

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.

#33442

SAMPLE NO.	DEPTH		THICKNESS	DESCRIPTION OF BEDS	
	From	To		KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.	
1	0	70		Yellow Clay	
2	10	20		" "	
3	20	30		" "	
4	30	40		Gray Clay	
5	40	50		" "	
6	50	60		" "	
7	60	70		Limestone	
8	70	80		" "	
9	80	90		" "	
10	90	100		" "	
11	100	110		GRAY Limestone	
12	110	120		" "	
13	120	130		" "	
14	130	140		" "	
15	140	150		Some Shale	
16	150	160		" "	
17	160	170		" "	

1933

DESCRIPTION OF BEDS

KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.

Silurian

THICKNESS

DEPTH

From

To

SAMPLE NO.

170 180

180 190

190 200

200 210

210 220

220 230

230 240

240 250

250 260

260 270

270 280

280 290

290 300

300 310

° SAMPLE TRACKING FORM °

WNUMBER: 33442 DATE RECEIVED 03/02/93

OWNER: CARRIAGE MEADOWS SUBDIVISION (VAN HORST, ROW)

LOCATION: SCOTT COUNTY, IOWA T78N R4E SECTION 0

LATITUDE: LONGITUDE: LL ACC:

ELEVATION: ELEV ACC: QUAD NAME:

TOTAL DEPTH: 312 BEDROCK DEPTH: 60 AQUIFER: Bedrock ABANDONED:

TYPE SAMPLE(S): chip STRAT DATA: 9 GEOPHYSICAL DATA: No

WELL TYPE: Other PUMP TEST: WATER ANALYSIS:

DRILLER: LATTA WELL & PUMP DRILL DATE: 01/13/89 DRILL METHOD: Rotary

STRIPLOG BY/GEOLOGIST: STRIPLOG DATE/STUDY DATE: / / MIRCOFILMED:

HYDROLOGIC INFORMATION

MAIN WATER TOP: MAIN WATER BOTTOM:  
SWL: (ft) YIELD: 280 (gpm) PUMPING LEVEL: 70 (ft)

CASING SCHEDULE

NUMBER OF CASING STRINGS: 1  
(1) DIAM: 6.50 (in) TYPE: STEEL DEPTH TOP: (ft) DEPTH BOTM: (ft) AMI: 147.8 (ft)

SAMPLE LOCATION

NUMBER SAMPLES: INTERVAL: (ft) NUM BOXES:  
SAMPLE TOP: (ft) SAMPLE BOTTOM: (ft) WASH TOP: (ft) WASH BOTTOM: (ft)  
CHIP SAMPLE STORAGE: BIN A10 CUT DATE: / /