

# DRILLER'S NOTEBOOK

---

## WELL RECORD

Driller \_\_\_\_\_

Address \_\_\_\_\_  
\_\_\_\_\_

---

Owner *Artenston* \_\_\_\_\_

Tenant \_\_\_\_\_

Address \_\_\_\_\_  
\_\_\_\_\_

---

RETURN TO  
**IOWA GEOLOGICAL SURVEY**  
IOWA CITY, IOWA

WELL RECORD

Well is located 0 miles S and 0 miles S from  
N E N  
E E  
W W

Arlington in Fayette,  
(Nearest Town) (County)

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

City ARLINGTON TOWN Well No. 2  
Owner

Postoffice address     

Contractor Open well drilling

Address Manchester

Driller Rich Open

Well begun April 21, 19 80;

completed June 28, 19 80

Rig used—Cable, Rotary, Jet, or     

Depth of well 1310  
(Feet)

Size of hole (note total amount of each size)     

870' 12" Hole 430' 8" Hole

Main water supply at 954-969) - 1165-1270  
(Feet below surface)

Final water head 400  
(Feet above or below surface)

Is well pumped? yes

Yield 150 GPM  
(Gallons per minute)

Water level when pumping 430

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

## RECORD OF PERMANENT CASING

Date and Time	Water Level	SOURCE OF WATER		Production in Gallons per Minute	Pumping Level
		Depth	Type of Rock		
6-24	400'	954-	969	approx 200+	
	40'	upper well. St Peter.			

Size Pipe	Amount of Pipe	Depth to Bottom of Pipe	Depth to Top of Pipe	Type* and Weight of Pipe	DIAGRAM OF WELL
12"	82'-4"	80	surf +2'-6"	Stel	
8"	870'	868	surf +2'	std wall stel	

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

Is screen used? \_\_\_\_\_ 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.

SAMPLE NO.	DEPTH		THICKNESS
	From	To	
	0	1	1
	1	72	71'
	72	205	133'
	205	340	135'
	340	395	55'
	395	435	40'
	435	465	30'
	465	700	235'
	700	720	20'
	720	732	12'
	732	785	53'
	785	835	50'
	835	954	119'
	954	969	15'
	969	1165	196'
	1165	1270	105'
	1270	1310	40'

DESCRIPTION OF BEDS	
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.	
Tappail	
Clay (imbedded rock)	
Lime	
Shale	
Rock	
Shale	
Rock Dark Brown	
Brown	
Rock Grey	
Rock Brown	
Rock Grey	
Sandstone 50 H.P.M.	
Rock (Brown)	
Sandstone (white) <del>50 H.P.M.</del> water bearing	
Rock (Brown)	
Sandstone, - water bearing	
Sh - silty - Grey	