

WELL RECORD

Well is located 1/2 miles S and 1/2 miles S from  
W E N  
W E N

Towac City in Johnson  
(Nearest Town) (County)

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

Owner --- Well No. ---

Postoffice address ---

Contractor SUNRISE Picking Trailer Court

Address ---

Driller Duane Latta

Well begun Nov. 9, 1971;

completed Nov. 9, 1971

Rig used—Cable, Rotary Jet, or ---

Depth of well 82  
(Feet)

Size of hole (note total amount of each size) 73

at 6 1/2" 94' at 5'

Main water supply at 76-82 ft  
(Feet below surface)

Final water head 62 ft  
(Feet above or below surface)

Is well pumped? Yes

Yield 70 GPM  
(Gallons per minute)

Water level when pumping 20 ft

Position of well Side hill  
(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		
Nov 9 1:30	58	82	Sand	70	

Size Pipe	Amount of Pipe	Depth to Bottom of Pipe	Depth to Top of Pipe	Type <sup>o</sup> and Weight of Pipe	DIAGRAM OF WELL
5 1/2"	74	73	74		
4"	3	76			

<sup>o</sup>As cast, wrought iron, steel, concrete, etc.

Is screen used? Yes Diameter 4 (Inches)

Length 6 (Feet) Depth to bottom 82

Depth to top 76 Slot size \_\_\_\_\_

Are packers or seals used? Yes

Kind 0 Rings

Where used 73 ft

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.



GENERALIZED STRATIGRAPHIC COLUMN OF IOWA

*Sunrise Enterprises*

Formation description, thickness, and depth range given here represent the Iowa Geological Survey estimate of the geologic section underlying the site under consideration in SW 1/4 Sec. 19-77N-5W. All depth figures are based on an assumed surface elevation of 675 ft. above sea level.

*Johnson County*

System	Series	Group	Formation	Description	Thickness (ft.)	Depth Range (ft.)	
Quaternary	Recent			Soil and alluvium			
	Pleistocene		Wisconsin	Loess, glacial till, and inter-bedded sand and gravel.	125±	0-125±	
			Illinoian				
			Kansan				
		Nebraskan					
Cretaceous		Colorado	Carlile	Shale			
			Greenhorn	Limestone			
			Graneros	Shale			
		Dakota					
Jurassic?			Fort Dodge Beds	Gypsum and shale			
Pennsylvanian	Virgil		Wabauensee	Limestone and shale			
			Shawnee	Limestone and shale			
			Douglas	Shale and limestone			
	Missouri		Lansing	Limestone and shale			
			Kansas City	Limestone and shale			
			Pleasanton	Shale			
	Des Moines		Marmaton	Shale and limestone			
			Cherokee	Shale, sandstone, thin limestone and coal			
Mississippian	Meramec		Ste. Genevieve				
			St. Louis				
			Spergen				
	Osage		Warsaw				
			Keokuk				
			Burlington				
	Kinderhook		Gilmore City				
			Hampton				
		North Hill		Starrs Cave			
				Prospect Hill			
			McCraney				

Devonian	Upper	Yellow Spring	English River				
			Maple Mill				
			Aplington				
			Sheffield				
				Lime Creek			
				Shell Rock			
	Middle			Cedar Valley	Limestone	45	125-170
			Wapsipinicon	Limestone & dolomite sandy at base	50	170-220	
Lower			LaPorte City				
Silurian	Niagaran		Gower	Dolomite	155	220-375	
			Hopkinton				
	Alexandrian		Kankakee	Dolomite, cherty	45	375-420	
			Edgewood				
Ordovician	Cincinnatian		Maquoketa	Shale, dolomitic		420-	
	Mohawkian		Galena				
			Decorah				
			Platteville				
	Chayzan		St. Peter				
Beekmantown		Prairie du Chien					
Cambrian	St. Croixan	Trempealeau	Madison				
			Jordan				
			Lodi				
			St. Lawrence				
	Dresbach	-----	Franconia				
			Galesville				
			Eau Claire				
			Mt. Simon				
Precambrian			Sioux				
			Undifferentiated				