

# TABLE I

Pumping Test at Spillville, Iowa  
January 20, 1960  
Well No. 2

Location: NE $\frac{1}{4}$  SW $\frac{1}{4}$  sec. 19, T. 97 N., R. 9 W.

Total Depth: 362'

Elevation of land surface datum: 1063.7' Note: The curb elevation will be  
1066.7'

Contractor: Geo. Shawver, Frederickburg

Driller: Geo. Shawver and helper

Date drilled: November, 1959 - January, 1960

Casing record: 12" casing from 0'-49' To be pulled  
8-5/8" casing from 0'-73' To be pulled  
8-3/4" hole from 73'-150'  
6" casing from 0'-150'  
6" hole from 150'-362'

Water level: Static water level was 100' below the top of the casing which is  
4' above the land surface datum (1067.7').

Test pump: Turbine (oil lubricated) powered by gas engine with steel shaft  
drive coupled with universal joints. Tail pipe set at 130'.

Aquifer: Galena

Measurements: Water level measurements (Table II) made with an electric  
line.

Discharge rate was determined by periodic measurements  
of flow into tank with a capacity of 135.4 gallons.

Observers: L. P. Erdman and M. A. J. Smith. Mr. Erdman, consulting  
engineer for the town of Spillville, arrived at 1:30 p.m. and  
recorded data until 5:30 p.m. Electric line measurements  
were recorded from an elevation of 1067.7'.

TABLE II

Pumping Test at Spillville, Iowa  
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Well No. 2

Time (min.)	Electric Line Depth	Drawdown (ft)	GPM	Temp. F. Air	Temp. F. Water	Remarks
0						Pump started at 10:30 am.
60						
120						
180	124	24	180		48	
187	124	24				Stopped pump
190	104.3					
197	103.6					
200	103					
202						Start pump, change speed.
206	126.6	26.6	180			Measured in 135.4 gal. stock tank.
210	128.2	28.2	180		48	
270	129	29	180			
330	129	29	180			
390	128.5	28.5	180			
420	127.4	27.4	180			
450	128	28	180	6	48	Cut back pump motor 5:50
465	119	19	135		48	
480	119	19				
495	119.1	19.1				
510	119.3	19.3	140		48	
540	119.5	19.5				
570	119.6	19.6				
600	119.4	19.4				
630	119	19.0		2	48	
645	119	19.0		0	48	
660	119.2	19.2	135	0	48	Stopped pump -- oil change
665						Started pump
675	120	20	147			
690	121	21				
705	121	21		-1	48	
720	121	21	147	-2	48	
1030	121	21	147	-4	48	Shawver's drillers
1260	121.2	21.2	147	-4	48	Smith

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Time (min.)	Electric Line Depth	Drawdown (ft)	GPM	Temp.F. Air	Temp.F. Water	Remarks
1290	121.15	21.15		-0		
1350	121.26	21.26	147	4	48	
1410	122.2	21.2		8		
1453	123	23	147		48	Stopped pumps at 10:43 a.m.
1454	106.35	6.4				Recovery measurements
1455	106.25	6.3				
1456	106.2	6.2				
1457	105.95	5.6				
1458	105.82	5.8				
1459	105.75	5.7				
1460	105.65	5.7				
1461	105.6	5.6				
1462	105.5	5.5				
1463	105.4	5.4				
1464	105.4	5.4				
1465	105.33	5.3				
1466	105.2	5.3				
1467	105.2	5.2				
1471	105.2	5.2				
1475	105.2	5.2				
1490	105.2	5.2				
1510	105.2	5.2				
1538	105.1	5.1				Terminated pumping test at 11:59 a.m.