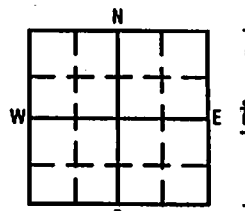


Site Identification Property Owner <u>Salon City Well</u> Well Number <u>23</u> Address _____ Tenant _____ Well Depth <u>350</u> ft Date completed <u>12/17/98</u>					Drill method ☒ rotary ☐ auger ☐ cable ☐ other _____ Hole size <u>13</u> inch from <u>0</u> ft to <u>200</u> ft <u>8</u> inch from <u>200</u> ft to <u>350</u> ft Record all depth measurements from ground level (GL). Use (+) for above GL measurements.																																																																																														
Location County <u>Johnson</u> _____ mi. ^N and _____ mi. ^E of intersection of _____ and _____ _____ 1/4 of the _____ 1/4 of the _____ 1/4 of Sec <u>23</u> TWP <u>B1</u> RNG <u>6</u> ^E _W Show exact location of well in section grid with a dot (•). Sketch map of well location on property.  NEVSENE elev 780 S. 8. 3. N R. L.					Casing Drive shoe (yes/no) _____ Pileless adapter (yes/no) _____ <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Size (ID/OD)</th> <th>Type / WT</th> <th>Depth top</th> <th>Depth bottom</th> <th>Amount (length)</th> </tr> </thead> <tbody> <tr> <td>8" Steel</td> <td>.322</td> <td>+2</td> <td>200'</td> <td>202'</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>					Size (ID/OD)	Type / WT	Depth top	Depth bottom	Amount (length)	8" Steel	.322	+2	200'	202'																																																																																
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Remarks (including depth of lost drilling fluids, materials, or tools) <u>large fracture at 80-102</u>					Well developed? (yes/no) _____ Explain <u>as built</u> (pumped, airlifted, bailed) for _____ hrs at <u>300</u> GPM.																																																																																														
Well use ☐ Domestic ☒ Municipal ☐ Commercial ☐ Livestock ☐ Public supply ☐ Monitoring ☐ Test well ☐ Irrigation ☐ Other _____ (explain) _____					Pump installed? (yes/no) _____ Date ____/____/____ Installer's name <u>Northway Well</u> Type of pump _____ Depth to intake _____ ft Pump diameter _____ Rated capacity _____ GPM																																																																																														
Water information Aquifer: ☐ sand / gravel ☐ limestone ☐ sandstone Main water-supply zone from <u>230</u> ft to <u>350</u> ft ☐ seepage well Static water level _____ ft (below / above) GL; ☐ tape ☐ airline ☐ E-line ☐ estimate Pumping water level _____ ft below GL; ☐ tape ☐ airline ☐ E-line ☐ estimate At yield of _____ GPM; ☐ orifice ☐ volumetric ☐ estimate Measurements taken at _____ : _____ (AM / PM) Date ____/____/____					Water quality test? (yes/no) _____ Date tested ____/____/____ Tested by _____																																																																																														
Contractor <u>Freme Well Drilling / Northway Well</u> Address <u>756 East Court Post Court Cedar Rapids</u> Driller <u>Freme</u> Certification no. <u>40153</u>					Contractor <u>Freme Well Drilling / Northway Well</u> Address <u>756 East Court Post Court Cedar Rapids</u> Driller <u>Freme</u> Certification no. <u>40153</u>																																																																																														

Northway Well and Pump Co.

48274

4895 8th Avenue
Marion, Iowa 52302

Drilled for City Water Works of Solon, Iowa

Well is located _____ N-E-S-W and _____ miles N-E-S-W from _____

in the _____ 1/4 _____ 1/4 Section _____ Township _____ Range _____

Drilling started November 20 19 98 Completed December 17 19 98

Well No. 3 Kind of Well Limestone Depth 350' Size hole started 13 in

Finish 8" G.P.M. 280 Static Head 55 Pumping level from surface 292'

Water was first encountered at 85' in _____ Approx. Amt. 70 Temp. _____

Remarks Well was cement grouted from 200' to 80', hole plug and cement from 80' to surface. Large fracture at 80'.

(GIVE DETAILS OF PERFORATED PIPE AND SEALS)

RECORD OF PERMANENT PIPE					TEMPORARY PIPE	
SIZE PIPE	AMOUNT OF PIPE	DEPTH TO BOTTOM OF PIPE	DEPTH TO TOP OF PIPE	MAKE OF PIPE	SIZE PIPE	AMOUNT
8"	202'	200'	+2	.322 Steel	12"	32'

Driller R. Freese From Surface to 350 feet
Driller _____ From Surface to _____ feet
Driller _____ From Surface to _____ feet

AMOUNT IN FEET	KIND OF SOIL OR FORMATION (BE SPECIFIC)	TOTAL DEPTH FEET
3'	Top soil	3'
12'	Brown clay	15'
15'	Gray clay	30'
8'	Tan limestone (soft)	38'
22'	Gray limestone	60'

Phone 319-377-6339

1-800-747-6339

FAX 319-377-8148

[illegible]

Northway Well and Pump Co.**4895 8th Avenue
Marion, Iowa 52302**FOR City of Solon LOCATED AT Solon, Iowa

DATE	TIME	PUMP SETTING	STATIC WATER LEVEL	PUMPING LEVEL	GALLONS PER MIN.	TEMP. DISCHARGE DESCRIPTION	SAND P.P.M. VOLUME
12-22-98		322'	55'				
AM	8:15			150	410		
	8:18			200	320		
	8:20			250	275		
	8:25			270	315		
	8:30			285	300		
	8:35			290	300		
	8:40			295	295		
	8:45			300	290		
	8:50			300	290		
	8:55			298	290		
	9:00			300	290		
	9:05			305	285		
	9:10			305	295		
	9:15			307	285		
	9:20			308	285		
	9:35			311	283		
	9:50			310	280		
	10:05			311	280		
	10:20			311	280		

Northway Well and Pump Co.

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Marion, Iowa 52302

FOR City of Solon LOCATED AT Solon, Iowa

DATE	TIME	PUMP SETTING	STATIC WATER LEVEL	PUMPING LEVEL	GALLONS PER MIN.	TEMP. DISCHARGE DESCRIPTION	SAND P.P.M. VOLUME
	10:30			311	280		
	11:00			310	280		
	11:30			300	280		
PM	12:00			298	280		
	12:30			295	280		
	1:00			295	280		
	1:30			292	280		
	2:00			292	280		
	2:30			292	280		
	3:00			292	280		
	3:30			292	280		
	4:00			292	278		
	4:30			292	278		
	5:00			292	278		
	5:30			292	280		
	6:00			292	280		
	6:30			292	280		
	7:00			292	280		
	7:30			292	280		
	8:00			292	280		

Northway Well and Pump Co.

4895 8th Avenue
Marion, Iowa 52302

48274

Page 3 of 3

FOR City of Solon LOCATED AT Solon, Iowa

DATE	TIME	PUMP SETTING	STATIC WATER LEVEL	PUMPING LEVEL	GALLONS PER MIN.	TEMP. DISCHARGE DESCRIPTION	SAND P.P.M. VOLUME
		322'					
RECOVERY	8:02		272'				
	8:03		280'				
	8:04		257'				
	8:05		245'				
	8:06		222'				
	8:10		200'				
	8:15		150'				
	8:20		120'				
	8:25		107'				
	8:30		105'				
	8:35		105'				
	8:40		101'				
	8:45		101'				
	8:50		100'				
	8:55		100'				
	9:00		98'				
	9:05		90'				
	9:10		89'				
	9:30		80'				
	9:45		75'				
	10:00		70'				

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