

Site identification						
Property Owner <u>Muscatine Power & Water</u> Well Number <u>39</u>						
Address <u>3205 Cedar Street - Muscatine, Iowa 52761</u>						
Tenant <u>None</u>						
Well Depth <u>132</u> ft Date completed <u>10 / 28 / 05</u>						
Location County <u>Muscatine</u>						
N/A mi. N and N/A mi. E of intersection of <u>57th Street</u> and <u>RR Tracks</u> SW 1/4 of the SW 1/4 of the _____ 1/4 of Sec <u>20</u> TWP <u>76</u> N. RNG <u>SW</u> E W						
Show exact location of well in section grid with a dot (•). Sketch map of well location on property.						
<input checked="" type="checkbox"/> upland <input type="checkbox"/> hillside <input type="checkbox"/> valley Elevation (if known) _____						
Formation log						
From	To	Color	Hardness	Formation description		
0	20	Red		Red Sand		
20	40			Sand - Gravel Small		
40	46			Red Sand		
46	47			Gravel, 5"-6" Boulders		
47	70			Red Sand - Small Gravel		
70	78			Medium Sand - Gravel		
78	80			4"-6" Rock, Medium Gravel		
80	104			Coarse Red Sand 1/4" Gravel		
104	120			Gray Sand 1/4" - 1/2" Gravel		
120	132			Gray Sand 1/4" - 3/4" Gravel		
use additional sheets as needed						
Remarks (including depth of lost drilling fluids, materials, or tools)						
Well use						
<input type="checkbox"/> Domestic <input checked="" type="checkbox"/> Municipal <input type="checkbox"/> Commercial <input type="checkbox"/> Livestock <input type="checkbox"/> Public supply <input type="checkbox"/> Monitoring <input type="checkbox"/> Test well <input type="checkbox"/> Irrigation <input type="checkbox"/> Other _____						
(explain)						
Drill method <input checked="" type="checkbox"/> rotary <input type="checkbox"/> auger <input type="checkbox"/> cable other _____						
Hole size			hole size continued			
<u>42</u> inch from <u>0</u> ft to <u>132</u> ft			_____ inch from _____ ft to _____ ft			
_____ inch from _____ ft to _____ ft			_____ inch from _____ ft to _____ ft			
Record all depth measurements from ground level (GL). Use (+) for above GL measurements.						
Casing Drive shoe (yes/no) _____ Pitless adapter (yes/no) _____						
Size (ID/OD)	Type / Wt	Depth top	Depth bottom	Amount (length)		
30"	.500 Wall	+2 1/2 GL	82'	84 1/2'		
Perforated or slotted casing? (yes/no)						
Perforated / slotted		from _____ ft	to _____ ft			
Perforated / slotted		from _____ ft	to _____ ft			
Casing grouted? (yes/no) Placement method _____						
Type	Depth Top	Depth bottom	Amount (vol/wt)			
Neat Cement	5'	20	15'			
Well screen? (yes/no)						
Diameter	Slot size	Depth Top	Depth Bottom	Length	Material	
30"	0.080	82'	132'	50'	SS	
	0.____					
Bottom capped (yes/no)		with _____ SS Plate				
Seals / Packers (yes/no)		kind _____	Hole Plug	depth _____	5' ft	
Gravel packed (yes/no)		from _____	132'	ft	to _____	20' ft
		type _____	#3	amount _____	22 Tons	
Well developed? (yes/no)						
Explain <u>Double Disc. Surge Block</u>						
(pumped, airlifted, bailed) for _____ hrs at _____ GPM.						
Pump installed? (yes/no) Date <u>11 / 14 / 05</u>						
Installer's name <u>Northway Well and Pump Company</u>						
Type of pump _____		Goulds	Depth to intake _____	80'	ft	
Pump diameter _____		14"	Rated capacity _____	1500	GPM	
Water information Aquifer: <input checked="" type="checkbox"/> sand / gravel <input type="checkbox"/> limestone <input type="checkbox"/> sandstone						
Main water-supply zone from _____ 82' ft to _____ 132' ft <input type="checkbox"/> seepage well						
Static water level _____ 19 ft (below / above) GL; <input type="checkbox"/> tape <input checked="" type="checkbox"/> airline <input type="checkbox"/> E-line <input type="checkbox"/> estimate						
Pumping water level _____ 63' ft below GL; <input type="checkbox"/> tape <input type="checkbox"/> airline <input checked="" type="checkbox"/> E-line <input type="checkbox"/> estimate						
At yield of _____ 1350 GPM; <input type="checkbox"/> orifice <input checked="" type="checkbox"/> volumetric <input type="checkbox"/> estimate						
Measurements taken at _____ : _____ (AM / PM) Date <u>11 / 14 / 05</u>						
Water quality test? (yes/no) Date tested _____ / _____ / _____						
Tested by _____						
Contractor <u>Northway Well and Pump Company</u>						
Address <u>4895 8th Avenue - Marion, Iowa 52302</u>						
Driller _____ Leon Carpenter Certification no. _____ 1822						