

WELL RECORD

Permit No. 2002-216W

Site Identification					Drill method Rev ☒ rotary ☐ auger ☐ cable other _____																								
Property Owner <u>City of New Sharon</u> Well Number <u>2A</u>					Hole size <u>17.5</u> inch from <u>0</u> ft to <u>62</u> ft ____ inch from ____ ft to ____ ft ____ inch from ____ ft to ____ ft																								
Address <u>101 S Main St.</u>					hole size continued ____ inch from ____ ft to ____ ft ____ inch from ____ ft to ____ ft																								
Tenant _____					Record all depth measurements from ground level (GL). Use (+) for above GL measurements.																								
Well Depth <u>62</u> ft Date completed <u>10 / 16 / 02</u>																													
Location County <u>Mahaska</u>					Casing Drive shoe (yes/no) _____ Fittess adapter (yes/no) _____																								
____ mi. N and ____ mi. E of intersection of _____ and _____ ____ 1/4 of the ____ 1/4 of the ____ 1/4 of Sec ____ TWP ____ RNG ____ E W					Size (ID/OD) Type / Wt Depth top Depth bottom Amount (length)																								
Show exact location of well in section grid with a dot (•). Sketch map of well location on property.					<table border="1" style="width: 100%;"> <tr> <th>8 ID</th> <th>CS .322</th> <th>+10'</th> <th>42'</th> <th>52</th> </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> </table>					8 ID	CS .322	+10'	42'	52															
8 ID	CS .322	+10'	42'	52																									
Lat. <u>41.4938300000</u> Long. <u>-92.6342200000</u> Scale bar: 200 ft					Perforated or slotted casing? (☒ yes / no) Perforated / slotted from ____ ft to ____ ft Perforated / slotted from ____ ft to ____ ft																								
☐ upland ☐ hillside ☒ valley Elevation (if known) _____					Casing grouted? (yes/ ☒ no) Placement method <u>Pumped</u>																								
Formation log					Type Depth Top Depth bottom Amount (vol/wt)																								
From	To	Color	Hardness	Formation description																									
0	6	BL		Top soil	C150 0' 36' 50 CU FT																								
6	18	Gray	Med	Clay																									
18	36			Sand & Gravel																									
36	44	Gray	Med	Clay																									
44	61			Sand & Gravel																									
61	62	Gray		Shale																									
62	63			Limestone																									
					Well screen? (yes/ ☒ no)																								
					Diameter Slot size Depth Top Depth Bottom Length Material																								
					8" 0.045 42' 62' 20' SS																								
					Bottom capped (yes/ ☒ no) with <u>SS plate</u>																								
					Seals / Packers (yes/ ☒ no) kind <u>Bentonite</u> depth <u>36 to 39</u> ft																								
					Gravel packed (yes/ ☒ no) from <u>39</u> ft to <u>62</u> ft																								
					type <u>Northern</u> amount <u>#1 Pack</u>																								
					Well developed? (yes/ ☒ no)																								
					Explain <u>Surged and pumped</u>																								
					(pumped, airlifted, bailed) for <u>24</u> hrs at <u>160</u> GPM.																								
					Pump installed? (yes/ ☒ no) Date <u>10 / 16 / 02</u>																								
					Installer's name <u>Northway Well & Pump Co</u>																								
					Type of pump <u>Submersible</u> Depth to intake <u>60</u> ft																								
					Pump diameter <u>6"</u> Rated capacity <u>150</u> GPM																								
					Water information Aquifer: ☒ sand / gravel ☐ limestone ☐ sandstone																								
					Main water-supply zone from <u>42</u> ft to <u>62</u> ft ☐ seepage well																								
					Static water level <u>15</u> ft (below / above) GL; ☒ tape ☐ airline ☐ E-line ☐ estimate																								
					Pumping water level <u>48</u> ft below GL; ☒ tape ☐ airline ☐ E-line ☐ estimate																								
					At yield of <u>160</u> GPM; ☒ orifice ☐ volumetric ☐ estimate																								
					Measurements taken at <u>6 :00</u> (☒ AM / PM) Date <u>9 / 6 / 02</u>																								
Remarks (including depth of lost drilling fluids, materials, or tools)					Water quality test? (yes/ ☒ no) Date tested <u>9 / 2 / 02</u>																								
					Tested by <u>City</u>																								
Well use					Contractor <u>Northway Well & Pump Co.</u>																								
☐ Domestic ☒ Municipal ☐ Commercial					Address <u>100 N 6th St</u>																								
☐ Livestock ☐ Public supply ☐ Monitoring					Driller <u>Don Murphy</u> Certification no. <u>4176</u>																								
☐ Test well ☐ Irrigation ☐ Other _____ (explain)																													