

Permit No. 2005-064 W

Site Identification					Drill method ☐ rotary ☐ auger ☐ cable other <u>Reverse</u>				
Property Owner <u>City of Oskaloosa</u> Well Number <u>33-04</u>					Hole size <u>40</u> inch from <u>0</u> ft to <u> </u> ft inch from <u> </u> ft to <u> </u> ft inch from <u> </u> ft to <u> </u> ft				
Address <u>213 S. 1st Street</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>56</u> ft Date completed <u>11 / 5 / 04</u>									
Location County _____					Casing Drive shoe (yes/no) _____ Pitless adapter (yes/no) _____				
_____ mi. N and _____ mi. E of intersection of _____ and _____					Size (ID/OD) Type / Wt Depth top Depth bottom Amount (length)				
_____ 1/4 of the _____ 1/4 of the _____ 1/4 of Sec _____ TWP _____ RNG _____ E _____ W _____					<u>24"</u> <u>SS</u> <u>41'</u> <u>56'</u> <u>15'</u>				
Show exact location of well in section grid with a dot (•). Sketch map of well location on property.									
					Perforated or slotted casing? (<u>yes</u> /no) Perforated / slotted from <u>41</u> ft to <u>56</u> ft Perforated / slotted from _____ ft to _____ ft				
☐ upland ☐ hillside ☐ valley Elevation (ft known) _____					Casing grouted? (<u>yes</u> /no) Placement method _____				
Formation log					Type Depth Top Depth bottom Amount (vol/wt)				
From	To	Color	Hardness	Formation description					
<u>0</u>	<u>15</u>	<u> </u>	<u> </u>	<u>CLAY</u>	<u>Grout</u> <u>5'</u> <u>25'</u> <u>20'</u>				
<u>15</u>	<u>53</u>	<u> </u>	<u> </u>	<u>SAND AND GRAVEL</u>	<u> </u> <u> </u> <u> </u> <u> </u> <u> </u>				
<u>53</u>	<u>56</u>	<u> </u>	<u> </u>	<u>SAND, GRAVEL, ROCKS</u>	<u> </u> <u> </u> <u> </u> <u> </u> <u> </u>				
<u>56</u>	<u>57</u>	<u> </u>	<u> </u>	<u>LIMESTONE</u>	<u> </u> <u> </u> <u> </u> <u> </u> <u> </u>				
					Well screen? (<u>yes</u> /no)				
					Diameter Slot size Depth Top Depth Bottom Length Material				
					<u>24"</u> <u>0.050</u> <u>41'</u> <u>56'</u> <u>15'</u> <u>SS</u>				
					<u>0. </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u>				
					Bottom capped (<u>yes</u> /no) with <u>SS plate</u>				
					Seals / Packers (<u>yes</u> /no) Kind <u>hole plug</u> depth <u>25</u> ft				
					Gravel packed (<u>yes</u> /no) from <u>26</u> ft to <u>57</u> ft				
					type <u>3wp</u> amount _____				
					Well developed? (<u>yes</u> /no)				
					Explain _____				
					(pumped, airlifted, bailed) for _____ hrs at _____ GPM.				
					Pump installed? (<u>yes</u> /no) Date ____/____/____				
					Installer's name _____				
					Type of pump _____ Depth to intake _____ ft				
					Pump diameter _____ Rated capacity _____ GPM				
					Water information Aquifer: ☒ sand / gravel ☐ limestone ☐ sandstone				
					Main water-supply zone from _____ ft to _____ 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 _____				
Remarks (including depth of lost drilling fluids, materials, or tools)					Contractor <u>Layne Western</u>				
					Address <u>5600 Gateway Dr Suite B Grimes IA 50111</u>				
					Driller <u>Duane Trick</u> Certification no. <u>5509</u>				
Well use									
☐ Domestic ☒ Municipal ☐ Commercial ☐ Livestock ☐ Public supply ☐ Monitoring ☐ Test well ☐ Irrigation ☐ Other _____									