

# Kickapoo Environmental Justice Grant

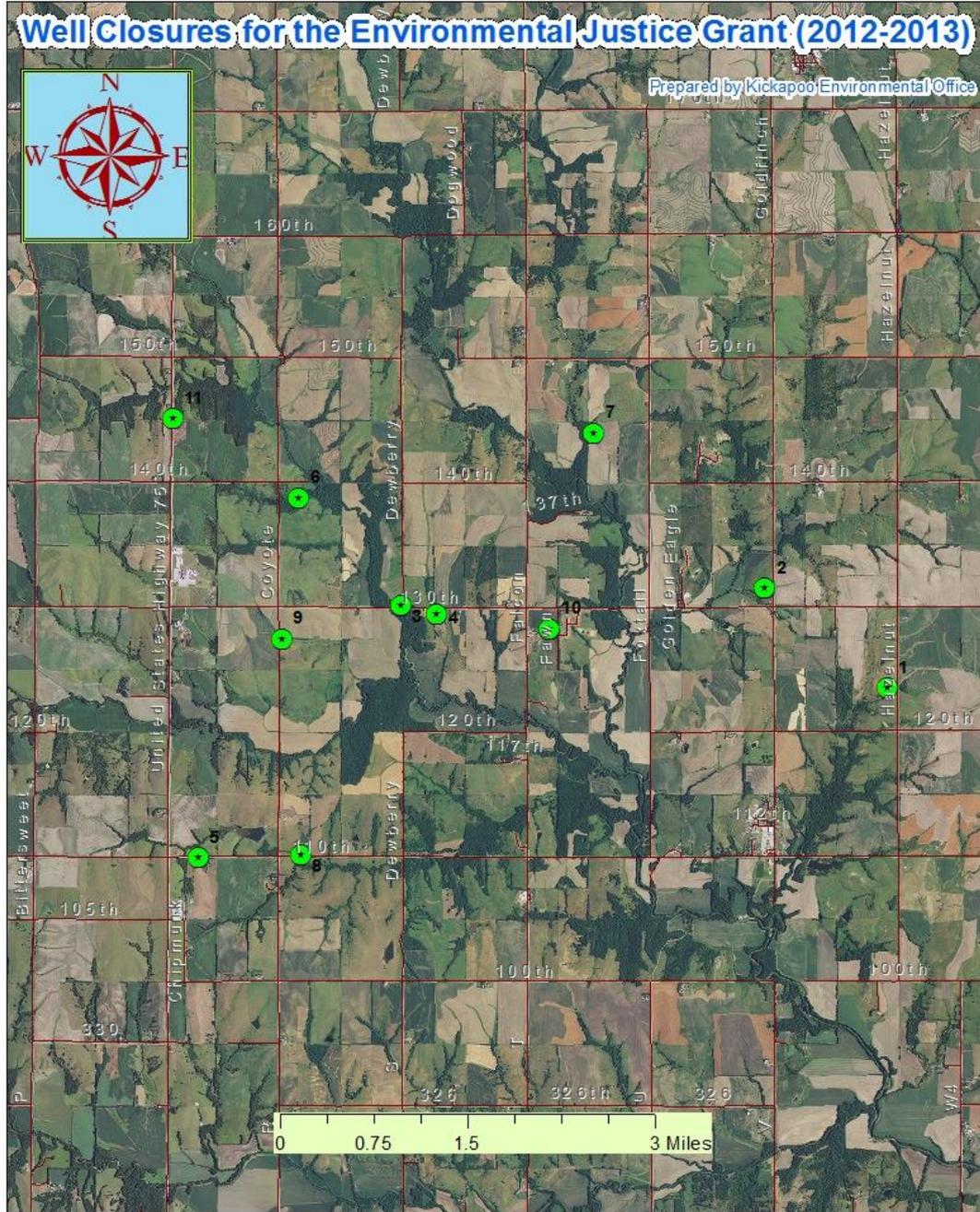
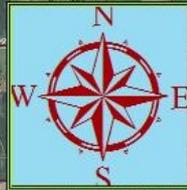
Project Period: October 2012 to September 2013

Closing the Abandoned Wells for a Safe and Healthy Community

Administered by Kickapoo Environmental Office

# Well Closures for the Environmental Justice Grant (2012-2013)

Prepared by Kickapoo Environmental Office



Date Created: 6/26/2013



Well Closures in Summer 2013



# Steps to Close Abandoned Wells

**Step 1 :** Measure the Diameter, Depth, and Water Level

**Step 2:** Remove all the obstructing materials (pump, rods, pipes, wood staves) from the well

**Step 3 :** If there is standing water, pump out the water before adding Bleach

**Step 4:** Remove the upper 1-3 feet of the well casing

**Step 5:** Fill the well with clean sand leaving one foot below surface

**Step 6 :** Fill the remaining with Bentonite

**Step 7:** Mound with topsoil to keep the surface water away



Abandoned wells can cause groundwater pollution and are a safety hazard for humans and animals



12 MAY 2013

Measuring the Depth of the Well



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Measure the Water level in the Well



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Luke Terry measuring the Diameter of the Well



13 MAY 2013

Backhoe used to clear the obstacles from the surface



A trash pump is used to drain the water from the wells before filling





Add Chlorine (Clorox) to disinfect the well by killing the existing microbes



13 MAY 2013

Kay, Kickapoo Roads Department



Taps, Kickapoo Roads Department



Clean Sand used to fill the abandoned wells







Matt Bosworth and Luke scooping clean sand into the abandoned well



Bentonite is used as a sealant





12 MAY 2013

Mound with topsoil to keep the surface water away