**CORRECTION(S) to WATER WELL COMPLETION RECORD**  
*Form WWC-5* (to rectify lacking or incorrect information)

<table>
<thead>
<tr>
<th>Owner:</th>
<th>Youmna Othman Geothermal ClosedLB</th>
</tr>
</thead>
<tbody>
<tr>
<td>If location corrected, was listed as:</td>
<td>Section-Township-Range: 10-1-19E</td>
</tr>
<tr>
<td></td>
<td>Fraction (¼ calls): SW NE NW</td>
</tr>
<tr>
<td></td>
<td>Location changed to: 27-12-19E NE NE NE</td>
</tr>
<tr>
<td>Other changes: Initial statements:</td>
<td>Latitude 39.984019</td>
</tr>
<tr>
<td>County:</td>
<td>Doniphan</td>
</tr>
<tr>
<td>Changed to:</td>
<td>Latitude 38.984019</td>
</tr>
<tr>
<td>County:</td>
<td>Douglas</td>
</tr>
<tr>
<td>Comments:</td>
<td>County, Fractions, Sec. Township and Range, and Latitude changed</td>
</tr>
<tr>
<td>Verification method:</td>
<td>Confirmed through Driller as well as WWC5 Interactive Map</td>
</tr>
<tr>
<td>Initials:</td>
<td>RS</td>
</tr>
<tr>
<td>Date:</td>
<td>04-28-2023</td>
</tr>
</tbody>
</table>

Submitted by:
- [ ] Kansas Geological Survey, Data Resources Library, 1930 Constant Ave., Lawrence, KS 66047-3724
- [ ] Kansas Dept. of Health & Environment, Bureau of Water, 1000 SW Jackson, Suite 420, Topeka, KS 66612-1367

(rv 01/26/2018)
**WATER WELL RECORD (WWC-5)**

**LOCATION OF WATER WELL**

- **Latitude:** 39.84019
- **Longitude:** -95.279521
- **Datum:** WGS84
- **Elevation:** 843
- **Section:** 10
- **Township:** 1
- **Range:** 19
- **Fraction:** SW
- **SW:** NE
- **NE:** NW

**WATER WELL OWNER**

- **Name:** Youmna Othman
- **Business:**
- **Address:** 109 Weatherhill Cir
  Lawrence, KS 66049

**CONSTRUCTION**

- **Borehole interval:**
  - from 0 to 200 ft.
- **Borehole diameter:** 6 in.
- **Casing height above land surface:** in.
- **Casing height is less than 12 in.**
  - No
- **Casing type:** Thermal Plastic
- **Blank casing interval:** 0 ft. to 200 ft.
- **Blank casing diameter:** .75 in.
- **Casing joints:** Welded
- **Weight:** lbs/ft.
- **Wall thickness or gauge no.:** sdr11
- **Casing height above land surface:** in.
- **Casing height is less than 12 in.**
  - No
- **Casing type:** Thermal Plastic
- **Blank casing interval:** 0 ft. to 200 ft.
- **Blank casing diameter:** .75 in.
- **Casing joints:** Welded
- **Weight:** lbs/ft.
- **Wall thickness or gauge no.:** sdr11
- **Grout interval:** 0 ft. to 200 ft.
- **Grout material:** Bentonite
- **Grout interval:** 0 ft. to 200 ft.
- **Grout material:** Bentonite

**WELL WATER USE**

- **Geothermal Closed Loop Vertical**
- **Depth of completed well:** 200 ft.
- **Depth(s) groundwater encountered:**
  - (1) ft.; (2) ft.;
  - (3) ft.; (4) ft. dry well
- **Static water level in well:** ft.
- **Estimated yield:** gpm
- **Water level was:** ft.
- **Pump installed?** Yes
- **Water well disinfected?** Yes
- **Date disinfected (mm/dd/yy):**
- **Aquifer, if known:**

**LITHOLOGIC LOG**

<table>
<thead>
<tr>
<th>FROM</th>
<th>TO</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
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<tr>
<td></td>
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</tr>
</tbody>
</table>

**COMMENTS**

This water well was **constructed** pursuant to the stated water well contractor's license and was completed on 04/11/2023. I certify that this record is true to the best of my knowledge and belief. This water well record was completed on 04/17/2023 under the business name of Associated Drilling, Inc. #990, Kansas Water Well Contractor's License No. #990 under the authority of the designated person as defined in K.A.R. 28-30-2(1) and signed and certified by the electronic signature of the designated person at its submittal: Kyle Erickson.

Send one copy to WATER WELL OWNER and retain one for your records. Fee of $5.00 for each constructed well.
<table>
<thead>
<tr>
<th>Depth</th>
<th>Lithology</th>
<th>Lithology Intervals</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>8</td>
<td>clay</td>
</tr>
<tr>
<td>8</td>
<td>10</td>
<td>shale, unweathered</td>
</tr>
<tr>
<td>10</td>
<td>22</td>
<td>shale, unweathered, red</td>
</tr>
<tr>
<td>22</td>
<td>153</td>
<td>shale, unweathered</td>
</tr>
<tr>
<td>153</td>
<td>160</td>
<td>limestone, unweathered</td>
</tr>
<tr>
<td>160</td>
<td>166</td>
<td>sandstone, unweathered</td>
</tr>
<tr>
<td>166</td>
<td>185</td>
<td>shale, unweathered</td>
</tr>
<tr>
<td>185</td>
<td>200</td>
<td>sandstone, unweathered</td>
</tr>
</tbody>
</table>