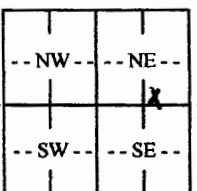


# WATER WELL RECORD Form WWC-5

☒ Original Record ☐ Correction ☐ Change in Well Use

Division of Water  
Resources App. No.

Well ID

<b>1 LOCATION OF WATER WELL:</b> County: <b>Pawnee</b>		Fraction <b>¼ SW ¼ SE ¼ NE ¼</b>	Section Number <b>1</b>	Township Number <b>T 20 S</b>	Range Number <b>R 17 E</b>																																																						
<b>2 WELL OWNER:</b> Last Name: <b>Hagerman</b> First: <b>Kent</b> Business: Address: <b>2455 140th Avenue</b> Address: City: <b>Timken</b> State: <b>KS</b> ZIP: <b>67575</b>		Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): If at owner's address, check here: <input type="checkbox"/> <b>2 North, 3 1/2 East of Ash Valley</b>																																																									
<b>3 LOCATE WELL WITH "X" IN SECTION BOX:</b> N  S 1 mile		<b>4 DEPTH OF COMPLETED WELL:</b> ..... <b>180</b> ..... ft. Depth(s) Groundwater Encountered: 1) ..... ft. 2) ..... ft. 3) ..... ft., or 4) <input type="checkbox"/> Dry Well WELL'S STATIC WATER LEVEL: ..... <b>57</b> ..... ft. <input checked="" type="checkbox"/> below land surface, measured on (mo-day-yr) ..... <b>10-22-18</b> <input type="checkbox"/> above land surface, measured on (mo-day-yr) ..... Pump test data: Well water was ..... ft. after ..... hours pumping ..... gpm Well water was ..... ft. after ..... hours pumping ..... gpm Estimated Yield: ..... gpm Bore Hole Diameter: ..... <b>10</b> ..... in. to ..... <b>180</b> ..... ft. and ..... in. to ..... ft.		<b>5 Latitude:</b> ..... <b>38.34236</b> ..... (decimal degrees) <b>Longitude:</b> ..... <b>99.14671</b> ..... (decimal degrees) <b>Horizontal Datum:</b> <input type="checkbox"/> WGS 84 <input checked="" type="checkbox"/> NAD 83 <input type="checkbox"/> NAD 27 <b>Source for Latitude/Longitude:</b> <input checked="" type="checkbox"/> GPS (unit make/model: .....) (WAAS enabled? <input type="checkbox"/> Yes <input type="checkbox"/> No) <input type="checkbox"/> Land Survey <input type="checkbox"/> Topographic Map <input type="checkbox"/> Online Mapper: .....																																																							
<b>6 Elevation:</b> ..... ft. <input type="checkbox"/> Ground Level <input type="checkbox"/> TOC <b>Source:</b> <input type="checkbox"/> Land Survey <input checked="" type="checkbox"/> GPS <input type="checkbox"/> Topographic Map <input type="checkbox"/> Other .....																																																											
<b>7 WELL WATER TO BE USED AS:</b> 1. Domestic: <input type="checkbox"/> Household <input type="checkbox"/> Lawn & Garden <input checked="" type="checkbox"/> Livestock 2. <input type="checkbox"/> Irrigation 3. <input type="checkbox"/> Feedlot 4. <input type="checkbox"/> Industrial 5. <input type="checkbox"/> Public Water Supply: well ID ..... 6. <input type="checkbox"/> Dewatering: how many wells? ..... 7. <input type="checkbox"/> Aquifer Recharge: well ID ..... 8. <input type="checkbox"/> Monitoring: well ID ..... 9. Environmental Remediation: well ID ..... <input type="checkbox"/> Air Sparge <input type="checkbox"/> Soil Vapor Extraction <input type="checkbox"/> Recovery <input type="checkbox"/> Injection 10. <input type="checkbox"/> Oil Field Water Supply: lease ..... 11. Test Hole: well ID ..... <input type="checkbox"/> Cased <input type="checkbox"/> Uncased <input type="checkbox"/> Geotechnical 12. Geothermal: how many bores? ..... a) Closed Loop <input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical b) Open Loop <input type="checkbox"/> Surface Discharge <input type="checkbox"/> Inj. of Water 13. <input type="checkbox"/> Other (specify): .....																																																											
Was a chemical/bacteriological sample submitted to KDHE? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, date sample was submitted: ..... Water well disinfected? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																											
<b>8 TYPE OF CASING USED:</b> <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other ..... CASING JOINTS: <input checked="" type="checkbox"/> Glued <input type="checkbox"/> Clamped <input type="checkbox"/> Welded <input type="checkbox"/> Threaded Casing diameter ..... <b>5</b> ..... in. to ..... <b>180</b> ..... ft., Diameter ..... in. to ..... ft., Diameter ..... in. to ..... ft. Casing height above land surface ..... <b>18</b> ..... in. Weight ..... <b>SDR-26</b> ..... lbs./ft. Wall thickness or gauge No. .... <b>TYPE OF SCREEN OR PERFORATION MATERIAL:</b> <input type="checkbox"/> Steel <input type="checkbox"/> Stainless Steel <input type="checkbox"/> Fiberglass <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other (Specify) ..... <input type="checkbox"/> Brass <input type="checkbox"/> Galvanized Steel <input type="checkbox"/> Concrete tile <input type="checkbox"/> None used (open hole) <b>SCREEN OR PERFORATION OPENINGS ARE:</b> <input type="checkbox"/> Continuous Slot <input type="checkbox"/> Mill Slot <input type="checkbox"/> Gauze Wrapped <input type="checkbox"/> Torch Cut <input type="checkbox"/> Drilled Holes <input type="checkbox"/> Other (Specify) ..... <input type="checkbox"/> Louvered Shutter <input type="checkbox"/> Key Punched <input type="checkbox"/> Wire Wrapped <input checked="" type="checkbox"/> Saw Cut <input type="checkbox"/> None (Open Hole) <b>SCREEN-PERFORATED INTERVALS:</b> From ..... <b>170</b> ..... ft. to ..... <b>130</b> ..... ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft. <b>GRAVEL PACK INTERVALS:</b> From ..... <b>180</b> ..... ft. to ..... <b>20</b> ..... ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.																																																											
<b>9 GROUT MATERIAL:</b> <input type="checkbox"/> Neat cement <input type="checkbox"/> Cement grout <input checked="" type="checkbox"/> Bentonite <input type="checkbox"/> Other ..... Grout Intervals: From ..... ft. to ..... ft., From ..... <b>20</b> ..... ft. to ..... <b>0</b> ..... ft., From ..... ft. to ..... ft. <b>Nearest source of possible contamination:</b> <input type="checkbox"/> Septic Tank <input type="checkbox"/> Lateral Lines <input type="checkbox"/> Pit Privy <input type="checkbox"/> Livestock Pens <input type="checkbox"/> Insecticide Storage <input type="checkbox"/> Sewer Lines <input type="checkbox"/> Cess Pool <input type="checkbox"/> Sewage Lagoon <input type="checkbox"/> Fuel Storage <input type="checkbox"/> Abandoned Water Well <input type="checkbox"/> Watertight Sewer Lines <input type="checkbox"/> Seepage Pit <input type="checkbox"/> Feedyard <input type="checkbox"/> Fertilizer Storage <input type="checkbox"/> Oil Well/Gas Well <input checked="" type="checkbox"/> Other (Specify) ..... <b>House</b> ..... Direction from well? ..... <b>East</b> ..... Distance from well? ..... <b>180</b> ..... ft.																																																											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>10 FROM</th> <th>TO</th> <th>LITHOLOGIC LOG</th> <th>FROM</th> <th>TO</th> <th>LITHO. LOG (cont.) or PLUGGING INTERVALS</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>17</td> <td>Top soil &amp; tan clay</td> <td>72</td> <td>85</td> <td>Dark gray clay w/ sandstone streaks</td> </tr> <tr> <td>17</td> <td>20</td> <td>Broken rock</td> <td>85</td> <td>98</td> <td>Fine clay</td> </tr> <tr> <td>20</td> <td>26</td> <td>Yellow &amp; white clay</td> <td>98</td> <td>103</td> <td>Dakota clay w/ sandy brown &amp; red clay</td> </tr> <tr> <td>26</td> <td>29</td> <td>Dakota drift</td> <td>103</td> <td>115</td> <td>Gray shale</td> </tr> <tr> <td>29</td> <td>46</td> <td>Gray clay w/ pyrite streaks</td> <td>115</td> <td>171</td> <td>Sandstone- loose coarse</td> </tr> <tr> <td>46</td> <td>55</td> <td>White clay w/ very fine sandstone streaks</td> <td>171</td> <td>180</td> <td>Gray shale</td> </tr> <tr> <td>55</td> <td>59</td> <td>Brittle black &amp; gray shale</td> <td colspan="3" rowspan="3"><b>Notes:</b></td> </tr> <tr> <td>59</td> <td>65</td> <td>Soft fine sandstone</td> </tr> <tr> <td>65</td> <td>72</td> <td>White &amp; gray clay</td> </tr> </tbody> </table>						10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS	0	17	Top soil & tan clay	72	85	Dark gray clay w/ sandstone streaks	17	20	Broken rock	85	98	Fine clay	20	26	Yellow & white clay	98	103	Dakota clay w/ sandy brown & red clay	26	29	Dakota drift	103	115	Gray shale	29	46	Gray clay w/ pyrite streaks	115	171	Sandstone- loose coarse	46	55	White clay w/ very fine sandstone streaks	171	180	Gray shale	55	59	Brittle black & gray shale	<b>Notes:</b>			59	65	Soft fine sandstone	65	72	White & gray clay
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<b>11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION:</b> This water well was <input checked="" type="checkbox"/> constructed, <input type="checkbox"/> reconstructed, or <input type="checkbox"/> plugged under my jurisdiction and was completed on (mo-day-year) ..... <b>12-11-18</b> ..... and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. .... <b>134</b> ..... This Water Well Record was completed on (mo-day-year) ..... <b>12-18-18</b> ..... under the business name of ..... <b>Rosencrantz-Bemis Ent Inc</b> ..... Signature ..... <i>Lora A. Bemis</i> .....																																																											