

## WATER WELL RECORD

MW-4

## Form WWC-5

Division of Water Resources App. No.

<b>1 LOCATION OF WATER WELL:</b> County: Franklin		Fraction ¼ NW ¼ NW ¼ SW ¼	Section Number 31	Township No. T 16 S	Range Number R 19 <input checked="" type="checkbox"/> E <input type="checkbox"/> W																																																																								
Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here <input type="checkbox"/> Approximately 2,420' N and 90' E of Highway 68 and Indiana Road, east of Ottawa.			<b>Global Positioning System (GPS) information:</b> Latitude: 38.61527 (in decimal degrees) Longitude: 95.35981 (in decimal degrees) Elevation: unknown Datum: <input checked="" type="checkbox"/> WGS 84, <input type="checkbox"/> NAD 83, <input type="checkbox"/> NAD 27 Collection Method: <input checked="" type="checkbox"/> GPS unit (Make/Model: Garmin Geko 201) <input type="checkbox"/> Digital Map/Photo, <input type="checkbox"/> Topographic Map, <input type="checkbox"/> Land Survey Est. Accuracy: <input type="checkbox"/> <3 m, <input type="checkbox"/> 3-5 m, <input checked="" type="checkbox"/> 5-15 m, <input type="checkbox"/> >15 m																																																																										
<b>2 WATER WELL OWNER:</b> BNSF Railway Co. RR#, Street Address, Box #: 4515 Kansas Ave City, State, ZIP Code : Kansas City, KS 66106																																																																													
<b>3 LOCATE WELL WITH AN "X" IN SECTION BOX:</b> N <div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-right: 10px;">W</div> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr> <td style="padding: 5px;">NW</td> <td style="padding: 5px;">NE</td> </tr> <tr> <td style="padding: 5px;">SW</td> <td style="padding: 5px;">SE</td> </tr> </table> <div style="margin-left: 10px;">E</div> </div> <div style="text-align: center; margin-top: 5px;">S</div> <div style="text-align: center; margin-top: 5px;">-----1 mile-----</div>		NW	NE	SW	SE	<b>4 DEPTH OF COMPLETED WELL 50</b> ft. Depth(s) Groundwater Encountered (1) N/A ft. (2) ft. (3) ft. WELL'S STATIC WATER LEVEL unknown ft. below land surface measured on mo/day/yr. Pump test data: Well water was ft. after hours pumping gpm EST. YIELD gpm. Well water was ft. after hours pumping gpm Bore Hole Diameter 12 in. to 13.5 ft. and 6 in. to 50 ft. WELL WATER TO BE USED AS: <input type="checkbox"/> Public water supply <input type="checkbox"/> Geothermal <input type="checkbox"/> Injection well <input type="checkbox"/> Domestic <input type="checkbox"/> Feedlot <input type="checkbox"/> Oil field water supply <input type="checkbox"/> Dewatering <input type="checkbox"/> Other (Specify below) <input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input type="checkbox"/> Domestic-lawn & garden <input checked="" type="checkbox"/> Monitoring well Was a chemical/bacteriological sample submitted to Department? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, mo/day/yr sample was submitted. Water well disinfected? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																							
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<b>5 TYPE OF CASING USED:</b> <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other <b>CASING JOINTS:</b> <input type="checkbox"/> Glued <input type="checkbox"/> Clamped <input type="checkbox"/> Welded <input checked="" type="checkbox"/> Threaded Casing diameter 2.049 in. to 15 ft. Diameter 7.943 in. to 13.5 ft. Diameter in. to ft. Casing height above land surface 42 (2") / 0.8" in. Weight 0.682 / 5.305 lbs./ft. Wall thickness or gauge No. 0.163 / 0.341" <b>TYPE OF SCREEN OR PERFORATION MATERIAL:</b> <input type="checkbox"/> Steel <input type="checkbox"/> Stainless Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other (Specify) <input type="checkbox"/> Brass <input type="checkbox"/> Galvanized Steel <input type="checkbox"/> None used (open hole) <b>SCREEN OR PERFORATION OPENINGS ARE:</b> <input type="checkbox"/> Continuous slot <input checked="" type="checkbox"/> Mill slot <input type="checkbox"/> Gauze wrapped <input type="checkbox"/> Torch cut <input type="checkbox"/> Drilled holes <input type="checkbox"/> None (open hole) <input type="checkbox"/> Louvered shutter <input type="checkbox"/> Key punched <input type="checkbox"/> Wire wrapped <input type="checkbox"/> Saw cut <input type="checkbox"/> Other (specify) <b>SCREEN-PERFORATED INTERVALS:</b> From 15 ft. to 50 ft., From ft. to ft. <b>GRAVEL PACK INTERVALS:</b> From 13.5 ft. to 50 ft., From ft. to ft. From ft. to ft., From ft. to ft.																																																																													
<b>6 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 0 ft. to 13.5 ft., From ft. to ft., From ft. to ft. What is the nearest source of possible contamination: <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 checked="" type="checkbox"/> Other (specify below) <input type="checkbox"/> Sewer lines <input type="checkbox"/> Cesspool <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 railcar release Direction from well NNE Distance from well approximately 60'																																																																													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:10%;">FROM</th> <th style="width:10%;">TO</th> <th style="width:40%;">LITHOLOGIC LOG</th> <th style="width:10%;">FROM</th> <th style="width:10%;">TO</th> <th style="width:20%;">LITHO. LOG (cont.) or PLUGGING INTERVALS</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>13.5</td> <td>Clay, moist</td> <td></td> <td></td> <td></td> </tr> <tr> <td>13.5</td> <td>16</td> <td>Brown, coarse sandstone</td> <td></td> <td></td> <td></td> </tr> <tr> <td>16</td> <td>50</td> <td>Gray shale w/ black laminations</td> <td></td> <td></td> <td></td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>						FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS	0	13.5	Clay, moist				13.5	16	Brown, coarse sandstone				16	50	Gray shale w/ black laminations																																																			
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<b>7 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) 1/11/09 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 618 This Water Well Record was completed on (mo/day/year) 5/22/09 under the business name of Thiele Geotech, Inc. by (signature) [Signature]																																																																													
<b>INSTRUCTIONS:</b> Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks and check the correct answers. Send three copies (white, blue, pink) to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5522. Send one copy to WATER WELL OWNER and retain one for your records. Include fee of \$5.00 for each constructed well. Visit us at <a href="http://www.kdheks.gov/waterwell/index.html">http://www.kdheks.gov/waterwell/index.html</a> .																																																																													