

1 LOCATION OF WATER WELL: County: <u>Barton</u>		Fraction NW SW $\frac{1}{4}$ SW SW $\frac{1}{4}$ SE SE $\frac{1}{4}$		Section Number <u>36</u>	Township Number T <u>19</u> S	Range Number R <u>13</u> <u>W</u>																																																																																										
Distance and direction from nearest town or city street address of well if located within city? Approx. $\frac{1}{2}$ mile south and $3\frac{1}{2}$ east of s. edge of Great Bend, KS																																																																																																
2 WATER WELL OWNER: RR#, St. Address, Box # : City, State, ZIP Code :		Kansas Geological Survey 1930 Ave. A-Campus West University of Kansas Lawrence, KS 66044 Board of Agriculture, Division of Water Resources Application Number: <u>not required</u>																																																																																														
3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: Diagram: A 36-section grid (6x6). The well location is marked with an 'X' in the SE 1/4 of the SW 1/4 section. The grid is labeled with N, S, E, W on the sides.		4 DEPTH OF COMPLETED WELL <u>117</u> ft. ELEVATION: <u>unknown</u> Depth(s) Groundwater Encountered 1. <u>9</u> ft. 2. _____ ft. 3. _____ ft. WELL'S STATIC WATER LEVEL <u>9</u> ft. below land surface measured on mo/day/yr <u>4/1/86</u> Pump test data: Well water was <u>not ck'd</u> ft. after _____ hours pumping _____ gpm Est. Yield <u>unknown</u> gpm: Well water was _____ ft. after _____ hours pumping _____ gpm Bore Hole Diameter <u>9</u> in. to <u>115</u> ft., and _____ in. to _____ ft. WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well 1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below) 2 Irrigation 4 Industrial 7 Lawn and garden only 10 <u>Observation well - Monitor</u> Was a chemical/bacteriological sample submitted to Department? Yes _____ No <u>x</u> _____; If yes, mo/day/yr sample was submitted _____ Water Well Disinfected? Yes _____ No <u>x</u> _____																																																																																														
5 TYPE OF BLANK CASING USED: 1 Steel 3 RMP (SR) 2 PVC 4 ABS Blank casing diameter <u>5</u> in. to <u>100</u> ft., Dia _____ in. to _____ ft., Dia _____ in. to _____ ft. Casing height above land surface <u>24</u> in., weight <u>2.277</u> lbs./ft. Wall thickness or gauge No. <u>214</u> TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 3 Stainless steel 5 Fiberglass 7 PVC 10 Asbestos-cement 2 Brass 4 Galvanized steel 6 Concrete tile 8 RMP (SR) 11 Other (specify) _____ 9 ABS 12 None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: 1 Continuous slot 3 Mill slot 5 Gauzed wrapped 8 Saw cut 11 None (open hole) 2 Louvered shutter 4 Key punched 6 Wire wrapped 9 Drilled holes 7 Torch cut 10 Other (specify) _____ SCREEN-PERFORATED INTERVALS: From <u>100</u> ft. to <u>115</u> ft., From _____ ft. to _____ ft. From _____ ft. to _____ ft., From _____ ft. to _____ ft. GRAVEL PACK INTERVALS: From <u>97</u> ft. to <u>115</u> ft., From _____ ft. to _____ ft. From _____ ft. to _____ ft., From _____ ft. to _____ ft.																																																																																																
6 GROUT MATERIAL: A <u>1 Neat cement</u> 2 Cement grout B <u>3 Bentonite</u> 4 Other _____ Grout Intervals: A From <u>0</u> ft. to <u>90</u> ft., From B <u>90</u> ft. to <u>97</u> ft., From _____ ft. to _____ ft. What is the nearest source of possible contamination: 1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 14 Abandoned water well 2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 15 Oil well/Gas well 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer storage <u>16 Other (specify below)</u> 13 Insecticide storage _____ <u>River</u> Direction from well? <u>north</u> How many feet? <u>150</u>																																																																																																
<table border="1" style="width:100%; border-collapse: collapse;"><thead><tr><th>FROM</th><th>TO</th><th>LITHOLOGIC LOG</th><th>FROM</th><th>TO</th><th>LITHOLOGIC LOG</th></tr></thead><tbody><tr><td>0</td><td>6</td><td>Topsoil & black clay</td><td></td><td></td><td>soft sandstone</td></tr><tr><td>6</td><td>23</td><td>Sand & gravel, med. to fine</td><td>115</td><td></td><td>Real hard</td></tr><tr><td>23</td><td>23.5</td><td>Soft yellow tan clay</td><td></td><td></td><td></td></tr><tr><td>23.5</td><td>32</td><td>Sand & gravel - fine to med.</td><td></td><td></td><td></td></tr><tr><td>32</td><td>35</td><td>Yellow clay</td><td></td><td></td><td></td></tr><tr><td>35</td><td>36</td><td>Real soft & brown clay</td><td></td><td></td><td></td></tr><tr><td>36</td><td>41.5</td><td>Sand & gravel - fine</td><td></td><td></td><td></td></tr><tr><td>41.5</td><td>49</td><td>Gray clay</td><td></td><td></td><td></td></tr><tr><td>49</td><td>74</td><td>Sand & gravel, fine to med. to coarse</td><td></td><td></td><td></td></tr><tr><td>74</td><td>75</td><td>Sandy white clay</td><td></td><td></td><td></td></tr><tr><td>75</td><td>97</td><td>Sand & gravel, fine & fine sand, some med.</td><td></td><td></td><td></td></tr><tr><td>97</td><td>105</td><td>Soft sandstone</td><td></td><td></td><td></td></tr><tr><td>105-110</td><td></td><td>Streaks of soft & Hard sandstone</td><td></td><td></td><td></td></tr><tr><td>110</td><td>115</td><td>Streaks of yellow clay & streaks of</td><td></td><td></td><td></td></tr></tbody></table>							FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG	0	6	Topsoil & black clay			soft sandstone	6	23	Sand & gravel, med. to fine	115		Real hard	23	23.5	Soft yellow tan clay				23.5	32	Sand & gravel - fine to med.				32	35	Yellow clay				35	36	Real soft & brown clay				36	41.5	Sand & gravel - fine				41.5	49	Gray clay				49	74	Sand & gravel, fine to med. to coarse				74	75	Sandy white clay				75	97	Sand & gravel, fine & fine sand, some med.				97	105	Soft sandstone				105-110		Streaks of soft & Hard sandstone				110	115	Streaks of yellow clay & streaks of			
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7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) <u>constructed</u> , (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) <u>4/1/86</u> and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. <u>185</u> This Water Well Record was completed on (mo/day/yr) <u>4/17/86</u> under the business name of <u>Clarke Well & Equipment, Inc.</u> by (signature) <u>[Signature]</u>																																																																																																
INSTRUCTIONS: Use typewriter or ball point pen, <u>PLEASE PRESS FIRMLY</u> and <u>PRINT</u> clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Division of Environment, Environmental Geology Section, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.																																																																																																