

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

1 LOCATION OF WATER WELL: County: Harvey		Fraction 1/4 1/4 CW 1/4 NW 1/4		Section Number 29		Township No. T 22 S		Range Number R 3 <input type="checkbox"/> E <input checked="" 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 1.50 miles south and 5 miles east of Buhler.				Global Positioning System (GPS) information: Latitude: 38.112093 (in decimal degrees) Longitude: -97.684158 (in decimal degrees) Elevation: unknown Datum: <input type="checkbox"/> WGS 84, <input checked="" type="checkbox"/> NAD 83, <input type="checkbox"/> NAD 27 Collection Method: <input checked="" type="checkbox"/> GPS unit (Make/Model: WAAS) <input type="checkbox"/> Digital Map/Photo, <input type="checkbox"/> Topographic Map, <input type="checkbox"/> Land Survey Est. Accuracy: <input type="checkbox"/> <3 m, <input checked="" type="checkbox"/> 3-5 m, <input type="checkbox"/> 5-15 m, <input type="checkbox"/> >15 m																																																																							
2 WATER WELL OWNER: McPherson Board of Public Utilities RR#, Street Address, Box #: 401 W Kansas City, State, ZIP Code : McPherson, KS 67460																																																																											
3 LOCATE WELL WITH AN "X" IN SECTION BOX: <div style="text-align: center;"> </div>		4 DEPTH OF COMPLETED WELL 210 ft. Depth(s) Groundwater Encountered (1) _____ ft. (2) _____ ft. (3) _____ ft. WELL'S STATIC WATER LEVEL 31 ft. below land surface measured on mo/day/yr 08/24/12 Pump test data: Well water was not checked ft. after _____ hours pumping _____ gpm EST. YIELD _____ gpm. Well water was _____ ft. after _____ hours pumping _____ gpm Bore Hole Diameter 6 in. to 220 ft., and _____ in. to _____ 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 checked="" type="checkbox"/> Other (Specify below) <input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input type="checkbox"/> Domestic-lawn & garden <input type="checkbox"/> Monitoring well Observation 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																																																																									
5 TYPE OF CASING USED: <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other CASING JOINTS: <input type="checkbox"/> Glued <input type="checkbox"/> Clamped <input type="checkbox"/> Welded <input checked="" type="checkbox"/> Threaded Casing diameter 2 in. to 185 ft., Diameter _____ in. to _____ ft., Diameter _____ in. to _____ ft. Casing height above land surface 60 in., Weight .703 lbs./ft., Wall thickness or gauge No. .154 TYPE OF SCREEN OR PERFORATION MATERIAL: <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) SCREEN OR PERFORATION OPENINGS ARE: <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) _____ SCREEN-PERFORATED INTERVALS: From 185 ft. to 205 ft., From _____ ft. to _____ ft. GRAVEL PACK INTERVALS: From 180 ft. to 220 ft., From _____ ft. to _____ ft.																																																																											
6 GROUT MATERIAL: <input type="checkbox"/> Neat cement <input checked="" type="checkbox"/> Cement grout <input checked="" type="checkbox"/> Bentonite <input type="checkbox"/> Other Grout Intervals: From 0 ft. to 3 ft., From 3 ft. to 180 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 None Known <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 Direction from well _____ Distance from well _____																																																																											
<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>LITHO. LOG (cont.) or PLUGGING INTERVALS</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>3</td> <td>Topsoil</td> <td>72</td> <td>75</td> <td>Clay, green, gray</td> </tr> <tr> <td>3</td> <td>9</td> <td>Clay, brown</td> <td>75</td> <td>77</td> <td>Clay, yellow</td> </tr> <tr> <td>9</td> <td>11</td> <td>Sand, very fine</td> <td>77</td> <td>87</td> <td>Sand, fine to coarse</td> </tr> <tr> <td>11</td> <td>27</td> <td>Clay, gray, brown</td> <td>87</td> <td>108</td> <td>Sand, fine to coarse, some medium gravel</td> </tr> <tr> <td>27</td> <td>43</td> <td>Sand, fine to very fine, thin, gray, brown</td> <td>108</td> <td>111</td> <td>Sand, fine, with yellow and white clay</td> </tr> <tr> <td></td> <td></td> <td>clay streaks</td> <td>111</td> <td>128</td> <td>Clay, yellow, white, tan</td> </tr> <tr> <td>43</td> <td>50</td> <td>Sand, fine to coarse</td> <td>128</td> <td>132</td> <td>Clay, gray, black</td> </tr> <tr> <td>50</td> <td>56</td> <td>Clay, yellow, tan, gray, green</td> <td>132</td> <td>149</td> <td>Sand, fine to coarse, tan, yellow clay streaks</td> </tr> <tr> <td>56</td> <td>67</td> <td>Clay, gray</td> <td>149</td> <td>160</td> <td>Sand, fine to coarse</td> </tr> <tr> <td>67</td> <td>72</td> <td>Sand, fine, gray clay streaks</td> <td>160</td> <td>163</td> <td>Sand, fine to coarse, green shale pieces,</td> </tr> </tbody> </table>										FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS	0	3	Topsoil	72	75	Clay, green, gray	3	9	Clay, brown	75	77	Clay, yellow	9	11	Sand, very fine	77	87	Sand, fine to coarse	11	27	Clay, gray, brown	87	108	Sand, fine to coarse, some medium gravel	27	43	Sand, fine to very fine, thin, gray, brown	108	111	Sand, fine, with yellow and white clay			clay streaks	111	128	Clay, yellow, white, tan	43	50	Sand, fine to coarse	128	132	Clay, gray, black	50	56	Clay, yellow, tan, gray, green	132	149	Sand, fine to coarse, tan, yellow clay streaks	56	67	Clay, gray	149	160	Sand, fine to coarse	67	72	Sand, fine, gray clay streaks	160	163	Sand, fine to coarse, green shale pieces,
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7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: 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) 08/24/12 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 185 This Water Well Record was completed on (mo/day/year) 09/07/12 under the business name of Clarke Well & Equipment, Inc. by (signature) _____																																																																											
INSTRUCTIONS: 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 http://www.kdheks.gov/waterwell/index.html .																																																																											

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WATER WELL RECORD

Form WWC-5

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County:	Harvey	$\frac{1}{4}$ $\frac{1}{4}$ CW $\frac{1}{4}$ NW $\frac{1}{4}$	29	T 22 S	R 3 <input type="checkbox"/> E <input checked="" type="checkbox"/> W

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
		black, tan, clay streaks			
163	177	Clay, white, brown, caliche, gray & black clay			
177	205	Sand, fine to coarse			
205	220	Shale, red, green, black			

RECEIVED
SEP 27 2012
GEO SURVEY