

County: Harvey Fraction NE NE NE SW Sec. 29 T 22 S R 3 E(W)

CORRECTION(S) TO WATER WELL COMPLETION RECORD (WWC-5)

(to rectify lacking or incorrect information)

Owner: McPherson Board of Public Utilities

Location was listed as:

Location changed to:

Section-Township-Range: 29-22S-3W

29-22S-3W

Fraction ($\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$): NC

NE NE NE SW

Other changes: Initial statements: _____

Changed to: _____

Comments: _____

Verification method: Latitude & longitude, KGS' "LEO" conversion tool,
and mapping tool on KGS website.

Submitted by: _____ initials: DRD date: 11/7/2012
by: Kansas Geological Survey, Data Resources Library, 1930 Constant Ave., Lawrence, KS 66047-3726
to: Kansas Dept of Health & Environment, Bureau of Water, 1000 SW Jackson, Suite 420, Topeka, KS 66612-1367.

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

1 LOCATION OF WATER WELL: County: <u>Harvey</u>		Fraction <u>1/4</u> <u>1/4</u> <u>1/4</u> <u>NC</u> <u>1/4</u>	Section Number <u>29</u>	Township No. T <u>22</u> S	Range Number R <u>3</u> <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: <u>38.108432</u> (in decimal degrees) Longitude: <u>-97.675179</u> (in decimal degrees) Elevation: <u>unknown</u> 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: <u>WAAS</u>) <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 #: <u>401 W Kansas</u> City, State, ZIP Code : <u>McPherson, KS 67460</u>																																																																	
3 LOCATE WELL WITH AN "X" IN SECTION BOX: N W <table border="1" style="display: inline-table; text-align: center; width: 100px; height: 100px;"> <tr><td>--NW--</td><td>--NE--</td></tr> <tr><td>--SW--</td><td>--SE--</td></tr> </table> E S [-----1 mile-----] <div style="position: absolute; top: 50px; left: 50px; font-size: 20px;">X</div>		--NW--	--NE--	--SW--	--SE--	4 DEPTH OF COMPLETED WELL <u>222</u> ft. Depth(s) Groundwater Encountered (1) _____ ft. (2) _____ ft. (3) _____ ft. WELL'S STATIC WATER LEVEL <u>30.80</u> ft. below land surface measured on mo/day/yr <u>09/11/12</u> Pump test data: Well water was <u>not checked</u> ft. after _____ hours pumping _____ gpm EST. YIELD _____ gpm. Well water was _____ ft. after _____ hours pumping _____ gpm Bore Hole Diameter <u>6</u> in. to <u>230</u> 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 <input type="checkbox"/> 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																																																											
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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 <u>2</u> in. to _____ ft., Diameter _____ in. to _____ ft., Diameter _____ in. to _____ ft. Casing height above land surface <u>36</u> in., Weight <u>.703</u> lbs./ft., Wall thickness or gauge No. <u>.154</u> 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 <u>199</u> ft. to <u>219</u> ft., From _____ ft. to _____ ft. From _____ ft. to _____ ft., From _____ ft. to _____ ft. GRAVEL PACK INTERVALS: From <u>194</u> ft. to <u>230</u> ft., From _____ ft. to _____ ft. From _____ ft. to _____ 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 <u>0</u> ft. to <u>3</u> ft., From <u>3</u> ft. to <u>194</u> 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 None Known 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>7</td><td>Topsoil</td><td>178</td><td>215</td><td>Sand, fine to coarse</td></tr> <tr><td>7</td><td>20</td><td>Clay, brown, gray</td><td>215</td><td>216</td><td>Clay, white, brown</td></tr> <tr><td>20</td><td>34</td><td>Clay, gray</td><td>216</td><td>218</td><td>Sand, fine to coarse</td></tr> <tr><td>34</td><td>46</td><td>Sand, fine to coarse, gray clay streaks</td><td>218</td><td>230</td><td>Shale, black, gray</td></tr> <tr><td>46</td><td>78</td><td>Sand, fine to coarse, shale pieces, some medium gravel</td><td></td><td></td><td></td></tr> <tr><td>78</td><td>100</td><td>Clay, brown, tan</td><td></td><td></td><td></td></tr> <tr><td>100</td><td>115</td><td>Clay, tan, fine to coarse sand</td><td></td><td></td><td></td></tr> <tr><td>115</td><td>161</td><td>Sand, fine to coarse, medium gravel</td><td></td><td></td><td></td></tr> <tr><td>161</td><td>178</td><td>Clay, tan, white, gray</td><td></td><td></td><td></td></tr> </tbody> </table>						FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS	0	7	Topsoil	178	215	Sand, fine to coarse	7	20	Clay, brown, gray	215	216	Clay, white, brown	20	34	Clay, gray	216	218	Sand, fine to coarse	34	46	Sand, fine to coarse, gray clay streaks	218	230	Shale, black, gray	46	78	Sand, fine to coarse, shale pieces, some medium gravel				78	100	Clay, brown, tan				100	115	Clay, tan, fine to coarse sand				115	161	Sand, fine to coarse, medium gravel				161	178	Clay, tan, white, gray			
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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) <u>09/11/12</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/year) <u>09/26/12</u> under the business name of <u>Clarke Well & Equipment, Inc.</u> by (signature) <u>[Signature]</u>																																																																	
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 .																																																																	