

<b>1 LOCATION OF WATER WELL:</b> County: <b>Nemaha</b>		Fraction 1/4 NE 1/4 NE 1/4 SE 1/4	Section Number <b>31</b>	Township No. T <b>4</b> S	Range Number R <b>11</b> <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 1/4 miles east and 4 1/8 miles south of Vermillion			<b>Global Positioning System (GPS) information:</b> Latitude: <b>39.659607</b> (in decimal degrees) Longitude: <b>-96.220373</b> (in decimal degrees) Elevation: <b>Unknown</b> Datum: <input type="checkbox"/> WGS 84, <input type="checkbox"/> NAD 83, <input checked="" type="checkbox"/> NAD 27 Collection Method: <input checked="" type="checkbox"/> GPS unit (Make/Model <b>WAAS</b> ) <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																																																																				
<b>2 WATER WELL OWNER:</b> Pottawatomie County RWD #3 RR#, Street Address, Box #: <b>382 A Rd.</b> City, State, ZIP Code : <b>Vermillion, KS 66544</b>																																																																							
<b>3 LOCATE WELL WITH AN "X" IN SECTION BOX:</b> <div style="text-align: center;">N W <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>--NW--</td><td>--NE--</td></tr><tr><td>--SW--</td><td>--SE--</td></tr></table> E S -----1 mile-----1</div>		--NW--	--NE--	--SW--	--SE--	<b>4 DEPTH OF COMPLETED WELL</b> <b>346</b> ft. Depth(s) Groundwater Encountered (1) _____ ft. (2) _____ ft. (3) _____ ft. WELL'S STATIC WATER LEVEL <b>145.70</b> ft. below land surface measured on mo/day/yr <b>11/06/09</b> Pump test data: Well water was <b>Not checked</b> ft. after _____ hours pumping _____ gpm EST. YIELD <b>Unknown</b> gpm. Well water was _____ ft. after _____ hours pumping _____ gpm Bore Hole Diameter _____ in. to _____ 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) <b>Test Well</b> <input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input type="checkbox"/> Domestic-lawn & garden <input 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																	
--NW--	--NE--																																																																						
--SW--	--SE--																																																																						
<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 checked="" type="checkbox"/> Glued <input type="checkbox"/> Clamped <input type="checkbox"/> Welded <input type="checkbox"/> Threaded Casing diameter <b>5</b> in. to <b>0-165</b> ft., Diameter <b>5</b> in. to <b>495-324</b> ft., Diameter <b>55</b> in. to <b>195-314</b> ft. Casing height above land surface <b>24</b> in., Weight <b>2.36</b> lbs./ft., Wall thickness or gauge No. <b>214</b> <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 <b>165</b> ft. to <b>195</b> ft., From <b>324</b> ft. to <b>344</b> ft. From <b>314</b> ft. to <b>334</b> ft., From _____ ft. to _____ ft. <b>GRAVEL PACK INTERVALS:</b> From <b>130</b> ft. to <b>210</b> ft., From <b>230</b> ft. to <b>350</b> 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 _____ ft. to _____ ft., From <b>0</b> ft. to <b>30</b> ft., From <b>210</b> ft. to <b>230</b> 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"/> Oil well/gas well <input type="checkbox"/> None known <input type="checkbox"/> Watertight sewer lines <input type="checkbox"/> Seepage pit <input type="checkbox"/> Feedyard <input type="checkbox"/> Fertilizer storage Direction from well _____ Distance from well _____																																																																							
<table border="1" style="width:100%"><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>4</td><td>Topsoil</td><td>92</td><td>128</td><td>Clay, gray, hard, with gravel streaks</td></tr><tr><td>4</td><td>9</td><td>Clay, gray, hard</td><td>128</td><td>145</td><td>Clay, brown, soft, silty, with sand, grayish brown, very fine</td></tr><tr><td>9</td><td>14</td><td>Clay, tan, hard</td><td>145</td><td>160</td><td>Sand, very fine, silty, grayish brown</td></tr><tr><td>14</td><td>16</td><td>Limestone, soft, yellow</td><td>160</td><td>170</td><td>Clay, gray and brown, silty, sandy</td></tr><tr><td>16</td><td>29</td><td>Clay, tan, gray, hard</td><td>170</td><td>195</td><td>Sand, very fine</td></tr><tr><td>29</td><td>66</td><td>Clay, tan, hard</td><td>195</td><td>326</td><td>Clay, silty, gray, sandy</td></tr><tr><td>66</td><td>67</td><td>Limestone, soft</td><td>326</td><td>344</td><td>Sand and gravel, coarse to fine, with silty clay,</td></tr><tr><td>67</td><td>73</td><td>Clay, tan and brown, soft</td><td>326</td><td>344</td><td>gray, with sand, very fine, and large rock</td></tr><tr><td>73</td><td>76</td><td>Drift, gravel, fine to medium</td><td>344</td><td>347</td><td>Weathered shale</td></tr><tr><td>76</td><td>92</td><td>Clay, gray, hard</td><td>347</td><td>349.5</td><td>Shale, dark gray, with limestone streaks</td></tr></tbody></table>						FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS	0	4	Topsoil	92	128	Clay, gray, hard, with gravel streaks	4	9	Clay, gray, hard	128	145	Clay, brown, soft, silty, with sand, grayish brown, very fine	9	14	Clay, tan, hard	145	160	Sand, very fine, silty, grayish brown	14	16	Limestone, soft, yellow	160	170	Clay, gray and brown, silty, sandy	16	29	Clay, tan, gray, hard	170	195	Sand, very fine	29	66	Clay, tan, hard	195	326	Clay, silty, gray, sandy	66	67	Limestone, soft	326	344	Sand and gravel, coarse to fine, with silty clay,	67	73	Clay, tan and brown, soft	326	344	gray, with sand, very fine, and large rock	73	76	Drift, gravel, fine to medium	344	347	Weathered shale	76	92	Clay, gray, hard	347	349.5	Shale, dark gray, with limestone streaks
FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS																																																																		
0	4	Topsoil	92	128	Clay, gray, hard, with gravel streaks																																																																		
4	9	Clay, gray, hard	128	145	Clay, brown, soft, silty, with sand, grayish brown, very fine																																																																		
9	14	Clay, tan, hard	145	160	Sand, very fine, silty, grayish brown																																																																		
14	16	Limestone, soft, yellow	160	170	Clay, gray and brown, silty, sandy																																																																		
16	29	Clay, tan, gray, hard	170	195	Sand, very fine																																																																		
29	66	Clay, tan, hard	195	326	Clay, silty, gray, sandy																																																																		
66	67	Limestone, soft	326	344	Sand and gravel, coarse to fine, with silty clay,																																																																		
67	73	Clay, tan and brown, soft	326	344	gray, with sand, very fine, and large rock																																																																		
73	76	Drift, gravel, fine to medium	344	347	Weathered shale																																																																		
76	92	Clay, gray, hard	347	349.5	Shale, dark gray, with limestone streaks																																																																		
<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) <b>11/06/09</b> and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. <b>185</b> This Water Well Record was completed on (mo/day/year) <b>11/09/09</b> under the business name of <b>Clarke Well &amp; Equipment, Inc.</b> by (signature) <i>[Signature]</i>																																																																							
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 <a href="http://www.kdheks.gov/waterwell/index.html">http://www.kdheks.gov/waterwell/index.html</a>																																																																							