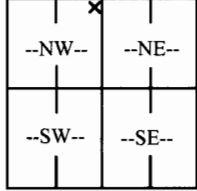


1 LOCATION OF WATER WELL: County: <u>Harvey</u>		Fraction <u>1/4 NE 1/4 NE 1/4 NW 1/4</u>	Section Number <u>18</u>	Township No. <u>T 23 S</u>	Range Number <u>R 1 E</u> ☒ <u>W</u>																																																																		
Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☐ <u>Approximately 4 miles north and 2 1/2 miles east of Halstead</u>			Global Positioning System (GPS) information: Latitude: <u>38.057374</u> (in decimal degrees) Longitude: <u>-97.473582</u> (in decimal degrees) Elevation: <u>unknown</u> Datum: ☐ WGS 84, ☒ NAD 83, ☐ NAD 27 Collection Method: ☒ GPS unit (Make/Model: <u>WAAS</u>) ☐ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey Est. Accuracy: ☐ <3 m, ☒ 3-5 m, ☐ 5-15 m, ☐ >15 m																																																																				
2 WATER WELL OWNER: City of North Newton RR#, Street Address, Box #: <u>2601 N. Main Street</u> City, State, ZIP Code: <u>P.O. Box 87</u> <u>North Newton, KS 67117</u>																																																																							
3 LOCATE WELL WITH AN "X" IN SECTION BOX: 	4 DEPTH OF COMPLETED WELL <u>85</u> ft. Depth(s) Groundwater Encountered (1) _____ ft. (2) _____ ft. (3) _____ ft. WELL'S STATIC WATER LEVEL <u>19.14</u> ft. below land surface measured on mo/day/yr <u>10/11/10</u> Pump test data: Well water was <u>not checked</u> ft. after _____ hours pumping _____ gpm EST. YIELD <u>unknown</u> gpm. Well water was _____ ft. after _____ hours pumping _____ gpm Bore Hole Diameter <u>5</u> in. to <u>88</u> ft., and _____ in. to _____ ft. WELL WATER TO BE USED AS: ☐ Public water supply ☐ Geothermal ☐ Injection well ☐ Domestic ☐ Feedlot ☐ Oil field water supply ☐ Dewatering ☒ Other (Specify below) ☐ Irrigation ☐ Industrial ☐ Domestic-lawn & garden ☐ Monitoring well <u>Observation Well</u> Was a chemical/bacteriological sample submitted to Department? ☐ Yes ☒ No If yes, mo/day/yr sample was submitted _____ Water well disinfected? ☒ Yes ☐ No																																																																						
	5 TYPE OF CASING USED: ☐ Steel ☒ PVC ☐ Other _____ CASING JOINTS: ☒ Glued ☐ Clamped ☐ Welded ☐ Threaded Casing diameter <u>2</u> in. to <u>43</u> ft., Diameter <u>2</u> in. to <u>73</u> ft., Diameter _____ in. to _____ ft. Casing height above land surface <u>24</u> in., Weight <u>.70</u> lbs./ft., Wall thickness or gauge No. <u>.154</u> TYPE OF SCREEN OR PERFORATION MATERIAL: ☐ Steel ☐ Stainless Steel ☒ PVC ☐ Other (Specify) _____ ☐ Brass ☐ Galvanized Steel ☐ None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: ☐ Continuous slot ☒ Mill slot ☐ Gauze wrapped ☐ Torch cut ☐ Drilled holes ☐ None (open hole) ☐ Louvered shutter ☐ Key punched ☐ Wire wrapped ☐ Saw cut ☐ Other (specify) _____ SCREEN-PERFORATED INTERVALS: From <u>43</u> ft. to <u>63</u> ft., From _____ ft. to _____ ft. From <u>73</u> ft. to <u>83</u> ft., From _____ ft. to _____ ft. GRAVEL PACK INTERVALS: From <u>30</u> ft. to <u>88</u> ft., From _____ ft. to _____ ft. From _____ ft. to _____ ft., From _____ ft. to _____ ft.																																																																						
6 GROUT MATERIAL: ☐ Neat cement ☐ Cement grout ☒ Bentonite ☐ Other _____ Grout Intervals: From _____ ft. to _____ ft., From <u>0</u> ft. to <u>30</u> ft., From _____ ft. to _____ ft. What is the nearest source of possible contamination: ☐ Septic tank ☐ Lateral lines ☐ Pit privy ☐ Livestock pens ☐ Insecticide storage ☐ Other (specify below) ☐ Sewer lines ☐ Cesspool ☐ Sewage lagoon ☐ Fuel storage ☐ Abandoned water well ☐ Watertight sewer lines ☐ Seepage pit ☐ Feedyard ☐ Fertilizer storage ☐ Oil well/gas well <u>None known</u> 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>4</td><td>Topsoil</td><td>31</td><td>39</td><td>Sand, gravel, fine to coarse</td></tr><tr><td>4</td><td>6</td><td>Clay, dark brown</td><td>39</td><td>41</td><td>Clay, brown</td></tr><tr><td>6</td><td>10</td><td>Clay, light brown</td><td>41</td><td>47</td><td>Sand, fine to coarse, some gravel</td></tr><tr><td>10</td><td>16</td><td>Sand, fine, loose</td><td>47</td><td>48</td><td>Cemented sand</td></tr><tr><td>16</td><td>18</td><td>Clay, light brown</td><td>48</td><td>51</td><td>Sand, gravel, fine to coarse, cemented sand streaks</td></tr><tr><td>18</td><td>19</td><td>Cemented sand</td><td></td><td></td><td></td></tr><tr><td>19</td><td>29</td><td>Clay, light brown, cemented sand streaks</td><td>51</td><td>54</td><td>Clay, brown, sand streaks</td></tr><tr><td></td><td></td><td></td><td>54</td><td>55</td><td>Cemented sand</td></tr><tr><td>29</td><td>30</td><td>Sand, fine, with gravel, fine</td><td>55</td><td>62</td><td>Sand, fine to very fine, clay streaks</td></tr><tr><td>30</td><td>31</td><td>Clay, light brown, with pebbles</td><td></td><td></td><td>Continued on back side</td></tr></tbody></table>						FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS	0	4	Topsoil	31	39	Sand, gravel, fine to coarse	4	6	Clay, dark brown	39	41	Clay, brown	6	10	Clay, light brown	41	47	Sand, fine to coarse, some gravel	10	16	Sand, fine, loose	47	48	Cemented sand	16	18	Clay, light brown	48	51	Sand, gravel, fine to coarse, cemented sand streaks	18	19	Cemented sand				19	29	Clay, light brown, cemented sand streaks	51	54	Clay, brown, sand streaks				54	55	Cemented sand	29	30	Sand, fine, with gravel, fine	55	62	Sand, fine to very fine, clay streaks	30	31	Clay, light brown, with pebbles			Continued on back side
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7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was ☒ constructed, ☐ reconstructed, or ☐ plugged under my jurisdiction and was completed on (mo/day/year) <u>10/11/10</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>10/21/10</u> under the business name of <u>Clarke Well & Equipment, Inc.</u> 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 .																																																																							

438432

58 10567 OB 1-10

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

1 LOCATION OF WATER WELL:		Fraction		Section Number	Township No.	Range Number
County: Harvey		1/4 NE 1/4 NE 1/4 NW 1/4		18	T 23 S	R 1 ☐ E ☐ W

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
62	66	Clay, brown with sand, fine			
66	70	Clay, brown			
70	71	Sand, very fine to fine			
71	75	Clay, brown			
75	83	Sand, fine to coarse, gravel, fine to coarse, clay streaks			
83	86	Cemented sand			
86	88	Shale, green, dark gray			

RECEIVED
OCT 26 2010
KS GEO SURVEY