

1 LOCATION OF WATER WELL: County: <u>Harvey</u> Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☐ Approximately 3 3/4 miles north and 2 1/2 miles east of Halstead	Fraction <u>1/4 SE 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>
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>		Global Positioning System (GPS) information: Latitude: <u>38.055373</u> (in decimal degrees) Longitude: <u>-97.473578</u> (in decimal degrees) Elevation: <u>unknown</u> Datum: ☐ WGS 84, ☒ NAD 83, ☐ NAD 27 Collection Method: <u>WAAS</u> ☒ 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		

3 LOCATE WELL WITH AN "X" IN SECTION BOX: N W <table border="1"><tr><td>--NW--</td><td>X</td><td>--NE--</td></tr><tr><td>--SW--</td><td></td><td>--SE--</td></tr></table> E S -----1 mile-----	--NW--	X	--NE--	--SW--		--SE--	4 DEPTH OF COMPLETED WELL <u>80</u> ft. Depth(s) Groundwater Encountered (1) _____ ft. (2) _____ ft. (3) _____ ft. WELL'S STATIC WATER LEVEL <u>26.37</u> ft. below land surface measured on mo/day/yr <u>10/12/10</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>101</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 ☒ Observation Well Was a chemical/bacteriological sample submitted to Department? ☐ Yes ☒ No If yes, mo/day/yr sample was submitted _____ Water well disinfected? ☒ Yes ☐ No
--NW--	X	--NE--					
--SW--		--SE--					

5 TYPE OF CASING USED: ☐ Steel ☒ PVC ☐ Other _____ CASING JOINTS: ☒ Glued ☐ Clamped ☐ Welded ☐ Threaded Casing diameter <u>2</u> in. to <u>57</u> ft., Diameter _____ in. to _____ ft., Diameter _____ in. to _____ ft. Casing height above land surface <u>36</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>57</u> ft. to <u>77</u> ft., From _____ ft. to _____ ft. From _____ ft. to _____ ft., From _____ ft. to _____ ft. GRAVEL PACK INTERVALS: From <u>30</u> ft. to <u>102</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 ☒ None known Direction from well _____ Distance from well _____

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	9	Sand, fine with clay, brown	32	34	Sand, fine to medium, some clay streaks
9	10	Clay, light brown	34	35	Cemented sand
10	15	Sand, fine to coarse, clay streaks, brown	35	36	Sand, fine to medium
15	20	Clay, gray, brown	36	37	Cemented sand
20	25	Clay, light brown, some caliche	37	43	Sand, gravel, fine to coarse, thin clay streaks
25	26	Sand, fine to coarse	43	50	Clay, tan, sandy
26	27	Cemented sand	50	51	Cemented sand
27	30	Clay, brown	51	59	Clay, gray, brown, sandy
30	31	Cemented sand	59	77	Sand, fine to coarse, gravel, fine
31	32	Clay, brown			Continued on back side

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>10/12/10</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) <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>.

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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	$\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$	18	T 23 S	R 1 ☐ E ☒ W

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) <u>or</u> PLUGGING INTERVALS
77	80	Clay, brown			
80	85	Cemented sand			
85	86	Sand, fine to coarse			
86	88	Cemented sand			
88	90	Clay, brown with pebbles			
90	98	Clay, tan			
98	101	Clay, brown, sandy			
101	101	Shale, green, dark gray			

RECEIVED
OCT 26 2010
KS GEO SURVEY