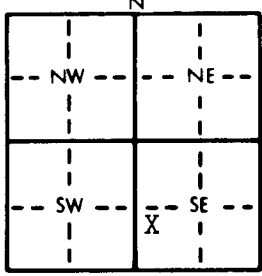


1 LOCATION OF WATER WELL: 161	Fraction NW 1/4 SW 1/4 SE 1/4	Section Number 31	Township Number T 9S S	Range Number R 8E E/W
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Distance and direction from nearest town or city street address of well if located within city?

1/2 mile north of Manhattan

2 WATER WELL OWNER: Russell Howse RR#, St. Address, Box #: 3630 Dickens Ave. City, State, ZIP Code: Manhattan, Kansas 66502	Flint Hills Valley Addition LOT #43 Board of Agriculture, Division of Water Resources Application Number:
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3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: 	4 DEPTH OF COMPLETED WELL: 40 ft. ELEVATION: Depth(s) Groundwater Encountered 1. 24' ft. 2. ft. 3. 5-14-84 ft. WELL'S STATIC WATER LEVEL 24' ft. below land surface measured on mo/day/yr Pump test data: Well water was ft. after hours pumping gpm Est. Yield 20 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: 1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below) 2 Irrigation 4 Industrial 7 Lawn and garden only 10 Observation well Was a chemical/bacteriological sample submitted to Department? Yes No X; If yes, mo/day/yr sample was submitted Water Well Disinfected? Yes X No
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5 TYPE OF BLANK CASING USED: 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile 2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Blank casing diameter 5 in. to 0-27 ft. Dia 5 in. to 37-40 ft. Dia Casing height above land surface 24 in. weight 2.82 lbs./ft. Wall thickness or gauge No. 25.8 TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS SCREEN OR PERFORATION OPENINGS ARE: 1 Continuous slot 3 Mill slot 5 Gauzed wrapped 8 Saw cut 2 Louvered shutter 4 Key punched 7 Torch cut 9 Drilled holes SCREEN-PERFORATED INTERVALS: From 27 ft. to 37 ft. From ft. to ft. GRAVEL PACK INTERVALS: From 10 ft. to 40 ft. From ft. to ft.	CASING JOINTS: Glued X Clamped Welded Threaded 10 Asbestos-cement 11 Other (specify) 12 None used (open hole) 10 Livestock pens 14 Abandoned water well 15 Oil well/Gas well 16 Other (specify below) 13 Insecticide storage How many feet? 150'
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6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other Grout Intervals: From 0 ft. to 10 ft. From ft. to ft. From ft. to ft. What is the nearest source of possible contamination: 1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 14 Abandoned water well 2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 15 Oil well/Gas well 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer storage 16 Other (specify below) Direction from well? East
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FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	5	Top Soil			
5	24	Clay, Brown			
24	27	Fine Sand, Brown			
27	30	Clay, Brown			
30	32	Fine Sand, Brown			
32	37	Fine Sand, Coarse Sand, Medium Gravel, Brown			
37	40	Green			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 5-14-84 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 182 This Water Well Record was completed on (mo/day/yr) 6-07-84 under the business name of Strader Drilling Co., Inc. by (signature) Dale Uskren INSTRUCTIONS: Use typewriter or ball point pen, PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Division of Environment, Environmental Geology Section, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.
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