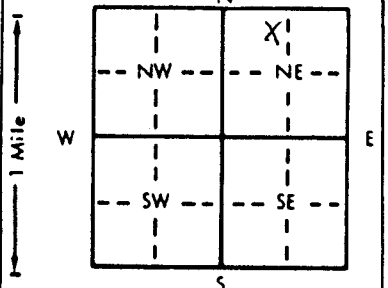


1 LOCATION OF WATER WELL: County: HAMILTON Fraction: NE 1/4 NE 1/4 NW 1/4 Section Number: 21 Township Number: T 23 S Range Number: R 42 E 1

Distance and direction from nearest town or city street address of well if located within city?
4 mi EAST COOLIDGE (WELL #2)

2 WATER WELL OWNER: Robert Helfrich
 RR#, St. Address, Box #: Box 8
 City, State, ZIP Code: Syracuse KS 67878
 Board of Agriculture, Division of Water Resources
 Application Number: 41831

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:



4 DEPTH OF COMPLETED WELL: 380 ft. ELEVATION: _____ ft.

Depth(s) Groundwater Encountered 1. 180 ft. 2. _____ ft. 3. _____ ft.
 WELL'S STATIC WATER LEVEL 170 ft. below land surface measured on mo/day/yr 10-1-96
 Pump test data: Well water was _____ ft. after _____ hours pumping _____ gpm
 Est. Yield 100 gpm: Well water was _____ ft. after _____ hours pumping _____ gpm
 Bore Hole Diameter: 16 in. to 35 ft. and 13 in. to 380 ft.
 WELL WATER TO BE USED AS:
 5 Public water supply 8 Air conditioning 11 Injection well
 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 Monitoring well _____
 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 BLANK CASING USED:
 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued Clamped
 2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded
 7 Fiberglass Threaded

Blank casing diameter 14 in. to 35 ft., Dia 10 in. to 340 ft., Dia _____ in. to _____ ft.
 Casing height above land surface _____ in., weight _____ lbs./ft. Wall thickness or gauge No. _____

TYPE OF SCREEN OR PERFORATION MATERIAL:
 1 Steel 3 Stainless steel 5 Fiberglass 7 PVC 10 Asbestos-cement
 2 Brass 4 Galvanized steel 6 Concrete tile 8 RMP (SR) 11 Other (specify) _____
 12 None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE:
 1 Continuous slot 3 Mill slot 5 Gauzed wrapped 8 Saw cut 11 None (open hole)
 2 Louvered shutter 4 Key punched 6 Wire wrapped 9 Drilled holes
 7 Torch cut 10 Other (specify) _____

SCREEN-PERFORATED INTERVALS: From 340 ft. to 380 ft., From _____ ft. to _____ ft.
 From _____ ft. to _____ ft., From _____ ft. to _____ ft.
 GRAVEL PACK INTERVALS: From 380 ft. to 20 ft., From _____ ft. to _____ ft.
 From _____ ft. to _____ ft., From _____ ft. to _____ ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other _____
 Grout Intervals: From 20 ft. to Top 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) _____
 13 Insecticide storage _____
 Direction from well? _____ How many feet? 1500 Ft

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	30	top + clay			
30	180	shale			
180	240	sand stone			
240	325	shale			
325	361	sand stone			
361	375	shale + sand stone			
375	380	shale			

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) 11-7-96 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 123 This Water Well Record was completed on (mo/day/yr) 11-20-96 under the business name of ARK Valley Drilling by (signature) [Signature]