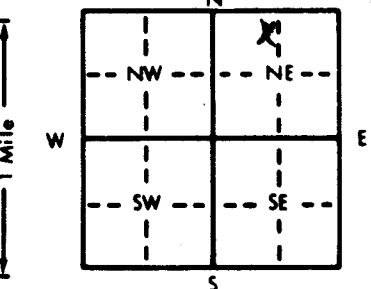


LOCATION OF WATER WELL: Fraction NE 1/4 NE 1/4 NW 1/4 Section Number 21 Township Number T 23 S Range Number R 42 **EN**

County: HAMILTON
 Distance and direction from nearest town or city street address of well if located within city?
4 mi east Coolidge (well #1.)

WATER WELL OWNER: Robert F. Helfrich
 RR#, St. Address, Box #: Box 8
 City, State, ZIP Code: Syracuse, Ks, 67878
 Board of Agriculture, Division of Water Resource
 Application Number: 41,831

LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: 4 DEPTH OF COMPLETED WELL: 382 ft. ELEVATION: _____



Depth(s) Groundwater Encountered 1. 180 ft. 2. _____ ft. 3. _____ ft.
 WELL'S STATIC WATER LEVEL 103 ft. below land surface measured on mo/day/yr 11-7-95
 Pump test data: Well water was 370 ft. after 24 hours pumping 32.0 gpm
 Est. Yield 300 gpm: Well water was 370 ft. after 1.0 days hours pumping 10.0 gpm
 Bore Hole Diameter 13 in. to 382 ft., and _____ in. to _____ 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 Observation well DAILY
 Was a chemical/bacteriological sample submitted to Department? Yes No _____; If yes, mo/day/yr sample was submitted
 Water Well Disinfected? Yes No _____

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 10 in. to 342 ft., Dia _____ in. to _____ ft., Dia _____ in. to _____ ft.
 Casing height above land surface 24 in., weight _____ lbs./ft. Wall thickness or gauge No. 12

TYPE OF SCREEN OR PERFORATION MATERIAL:
 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 10 Asbestos-cement
 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 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 342 ft. to 382 ft. From _____ ft. to _____ ft.
 From _____ ft. to _____ ft. From _____ ft. to _____ ft.
 GRAVEL PACK INTERVALS: From _____ ft. to _____ ft. From _____ ft. to _____ ft.
 From _____ ft. to _____ ft. From _____ ft. to _____ ft.

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	LITHOLOGIC LOG
0	30	TOP of Hwy & little Lime			
30	180	Shale			
180	243	Sand Stone			
243	330	Shale			
330	361	Sand Stone			
361	370	Shale & little Sandstone			

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) 11-6-96 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 Pump & Supply by (signature) Wesley Smith