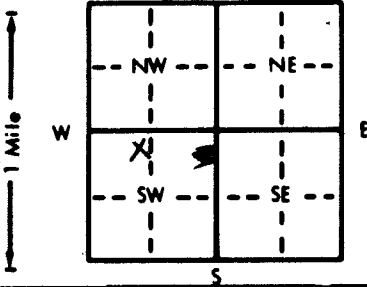


1 LOCATION OF WATER WELL: County: RILEY Fraction: NE 1/4 NW 1/4 SW 1/4 Section Number: 9 Township Number: T 10 S Range Number: R 8 CW

Distance and direction from nearest town or city street address of well if located within city?
EAST OF MANHATTAN KS

2 WATER WELL OWNER: CITY OF MANHATTAN RR#, St. Address, Box #: PO BOX 748 Board of Agriculture, Division of Water Resources City, State, ZIP Code: MANHATTAN KS 66502 Application Number: 163.53

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: 4 DEPTH OF COMPLETED WELL: 79'6" ft. ELEVATION: 1020.0



Depth(s) Groundwater Encountered 1. 10 ft. 2. . ft. 3. . ft.
WELL'S STATIC WATER LEVEL 10' ft. below land surface measured on mo/day/yr
Pump test data: Well water was 16'6" ft. after 1 hours pumping 1500 gpm
Est. Yield 1500 gpm: Well water was 16'5" ft. after 12 hours pumping 1500 gpm
Bore Hole Diameter 60 in. to 20 ft., and 48 in. to 68 ft.
WELL WATER TO BE USED AS: 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
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 2 PVC 3 RMP (SR) 4 ABS 5 Wrought iron 6 Asbestos-Cement 7 Fiberglass 8 Concrete tile 9 Other (specify below) 10 Asbestos-cement
Blank casing diameter 24 in. to 38 ft., Dia. 42 in. to 20 ft., Dia. . in. to . ft.
Casing height above land surface 11'6" in., weight . lbs./ft. Wall thickness or gauge No. 438
CASING JOINTS: Glued Clamped
Welded
Threaded
STAINLESS STEEL

TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 2 Brass 3 Stainless steel 4 Galvanized steel 5 Fiberglass 6 Concrete tile 7 PVC 8 RMP (SR) 9 ABS 10 Asbestos-cement 11 Other (specify) 12 None used (open hole)

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

SCREEN-PERFORATED INTERVALS: From 68 ft. to 38 ft., From . ft. to . ft.
GRAVEL PACK INTERVALS: From 68 ft. to +1 ft., From . ft. to . ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other
Grout intervals: From 20 ft. to 5 ft., From . ft. to . ft., From . ft. to . ft.

What is the nearest source of possible contamination: 1 Septic tank 2 Sewer lines 3 Watertight sewer lines 4 Lateral lines 5 Cess pool 6 Seepage pit 7 Pit privy 8 Sewage lagoon 9 Feedyard 10 Livestock pens 11 Fuel storage 12 Fertilizer storage 13 Insecticide storage 14 Abandoned water well 15 Oil well/Gas well 16 Other (specify below) BLUE RIVER

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	2	TOP SOIL			
2	10	SANDY BROWN CLAY			
10	65	MED TO COARSE SAND & GRAVEL			
65	67	BRAY CLAY			
67	68	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) 7/6/87 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 102 This Water Well Record was completed on (mo/day/year) 9/16/87 under the business name of Layne-Western Co. Inc., Wichita (signature) Edward J. Moore

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, Office of Oil Field and Environmental Geology, Regulation and Permitting Section, Topeka, Kansas 66620-7500, Telephone: 913-862-9360. Send one to WATER WELL OWNER and retain one for your records.

12-860000141