WATER WELL RECORD Form WWC-5 KSA 82a-1212

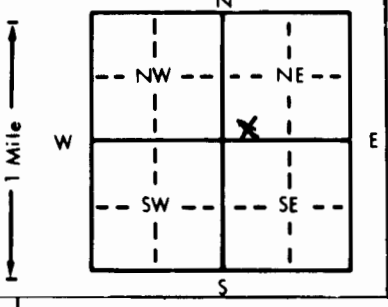
1 LOCATION OF WATER WELL: County: Johnson | Fraction: SE 1/4 SE 1/4 SW 1/4 SW 1/4 NE 1/4 | Section Number: 1 | Township Number: T 12 S | Range Number: R 23 (E)W

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

2 WATER WELL OWNER: Johnson County Landfill
RR#, St. Address, Box # : 18181 W. 53rd Street
City, State, ZIP Code : Shawnee, KS 66217

MW-16 (Westerville LS - Wea Shale)
Board of Agriculture, Division of Water Resources
Application Number: NA

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



4 DEPTH OF COMPLETED WELL 90 ft. ELEVATION: 843.19 MSL G.Surface
Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft.
WELL'S STATIC WATER LEVEL dry ft. below land surface measured on mo/day/yr April 14, 1991
Pump test data: Well water was ft. after hours pumping gpm
Est. Yield gpm: Well water was ft. after hours pumping gpm
Bore Hole Diameter 10 in. to 68 ft., and 5.875 in. to 90 ft.
WELL WATER TO BE USED AS: 1 Domestic 2 Irrigation 3 Feedlot 4 Industrial 5 Public water supply 6 Oil field water supply 7 Lawn and garden only 8 Air conditioning 9 Dewatering 10 Observation well 11 Injection well 12 Other (Specify below)
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)
CASING JOINTS: Glued Clamped Welded (Threaded) XXX
Blank casing diameter 2.375 in. to 83.4 ft., Dia 6.625 in. to 68 ft., Dia in. to ft.
Casing height above land surface 24 in., weight 0.70 lbs./ft. Wall thickness or gauge No. 0.154

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

SCREEN OR PERFORATION OPENINGS ARE: (3 Mill slot) 0.02"
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 83.4 ft. to 87.4 ft., From ft. to ft.
From ft. to ft., From ft. to ft.

GRAVEL PACK INTERVALS: From 90.0 ft. to 78.0 ft., From ft. to ft.
8 x 16 Mesh Pack From ft. to ft., From ft. to ft.

6 GROUT MATERIAL: (1 Neat cement) 2 Cement grout (3 Bentonite) (4 Other) cement-bentonite grout
Grout Intervals: From 0 ft. to 68(#1) ft., From 0 ft. to 72(#4) ft., From 72 ft. to 78(#3) 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) Landfill
Direction from well? East How many feet? 130

FROM	TO	LITHOLOGIC LOG
0.0	6.5	silty clay, brown, low plasticity moist, (fill dirt-cover material)
6.5	26.0	shale-brown, grading to gray-weathered towards surface, un-weathered (fresh) at 17' down (Lane Fm.)
26.0	31.5	limestone, reddish gray, medium bedded, micrite, sparse crinoid stems & brachiopods, weathered along bedding planes (Raytown Lm. Mbr.)
31.5	34.5	shale, gray, thin bedded, fissile grading black (Muncie Creek Sh. Mbr.)
34.5	36.5	limestone, dk gray, micrite crinoid & brachiopods (Paola LM. Mbr.)
36.5	53.5	shale, gray, thin bedded (Chanute Fm.)
53.5	64.5	limestone, gray, micrite, slightly weathered (Drum Fm.)
64.5	76.5	shale, gray, thin bedded (Quivira Shale Mbr.)
76.5	86.5	limestone, gray, micrite (gray shale parting 77-80.5) oolitic with crinoid and brachiopods (Westerville Lm. Mbr.)
86.5	90.0	shale, gray, thin bedded, fresh (Wea Shale Mbr.)

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) March 11, 1991 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 483 This Water Well Record was completed on (mo/day/yr) June 10, 1992 under the business name of Total Environmental Services & Technologies by (signature) Dwight Brinkley

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, Bureau of Water Protection, Topeka, Kansas 66620-7320, Telephone: 913-862-9360. Send one to WATER WELL OWNER and retain one for your records.

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