RASB02

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

1 LOCATION OF WATER WELL: County: MARION | Fraction: SE ¼ SE ¼ SE ¼ | Section Number: 2 | Township Number: T 17 S | Range Number: R 3 E/W

Distance and direction from nearest town or city street address of well if located within city?
WITHIN RAMONA, KS city limits. (2nd & D street)

2 WATER WELL OWNER: ARGONNE NATIONAL LABORATORY
RR#, St. Address, Box # : 9700 S. CASS AVE, ARGONNE, IL 60439
City, State, ZIP Code :
Board of Agriculture, Division of Water Resources
Application Number:

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:
N / NW / NE / W / E / SW / SE / S — 1 Mile

4 DEPTH OF COMPLETED WELL 93 ft. ELEVATION: 1425.42 ft
Depth(s) Groundwater Encountered 1. 30.87' ft. 2. ft. 3. ft.
WELL'S STATIC WATER LEVEL 30.87 ft. below land surface measured on mo/day/yr 6-8-94
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 45 ft., and 5 5/8 in. to 93 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 RASB02
Was a chemical/bacteriological sample submitted to Department? Yes No X; If yes, mo/day/yr sample was submitted
Water Well Disinfected? Yes No X

5 TYPE OF BLANK CASING USED: (2) PVC
1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile 9 Other (specify below)
2 PVC 4 ABS 6 Asbestos-Cement 7 Fiberglass
CASING JOINTS: Glued Clamped Welded Threaded X
Blank casing diameter 2 in. to 70 ft., Dia in. to ft., Dia in. to ft.
Casing height above land surface 1½ ft. in., weight .69 lbs./ft. ~~Wall thickness or~~ gauge No. 40
TYPE OF SCREEN OR PERFORATION MATERIAL: (7) PVC
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
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 70 ft. to 80 ft., From ft. to ft.
From ft. to ft., From ft. to ft.
GRAVEL PACK INTERVALS: From 68 ft. to 81 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 0 ft. to 68 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 GRAIN STORAGE BINS
Direction from well? EAST How many feet? 250

FROM	TO	LITHOLOGIC LOG
0	4.0	ORGANIC TOPSOIL
4.0	14.5	LIMESTONE, weathered shaley
14.5	19.0	DOLOMITE WITH SHALES
19.0	23.3	SHALE; slightly calcareous
23.3	27.0	LIMESTONE, micritic shale
27.0	29.0	DOLOMITE; shaley
29.0	34.0	SHALE
34.0	54.0	LIMESTONE, red brown-green gray. dolomitic
54.0	58.0	MUDSTONE
58.0	60.0	SHALE
60.0	65.0	DOLOMITE
65.0	70.0	MUDSTONE
70.0	79.0	DOLOMITE
79.0	86.0	MUDSTONE, calcareous
86.0	87.0	GYPSUM
87.0	89.5	MUDSTONE
89.5	90.5	GYPSUM
90.5	93.0	MUDSTONE

~~PLUGGING INTERVALS~~

FROM	TO	
0	66	Bentonite grout
66	68	Bentonite Clay
68	81	Sand Pack
81	82	Bentonite clay
82	93	collapsed hole - gravel fallen in from water zone.

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) 6-16-94 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 501 This Water Well Record was completed on (mo/day/yr) under the business name of Layne, Inc by (signature) Steven R Mitchell

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, Topeka, Kansas 66620-7320. Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY T R EW SEC. ¼ ¼ ¼