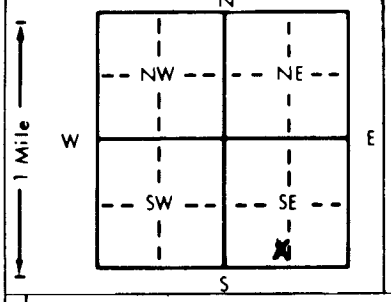
WATER WELL RECORD Form WWC-5 KSA 82a-1212

1 LOCATION OF WATER WELL: County: RILEY | Fraction: SE ¼ SW ¼ SE ¼ | Section Number: 1 | Township Number: T 10 S | Range Number: R 7 (E)W

Distance and direction from nearest town or city street address of well if located within city?
KANSAS STATE UNIVERSITY, CHEMICAL WASTE FACILITY, MANHATTAN, KS

2 WATER WELL OWNER: KSU, DEPT. OF PUBLIC SAFETY MW-6
RR#, St. Address, Box # : KANSAS STATE UNIVERSITY
City, State, ZIP Code : MANHATTAN, KS
Board of Agriculture, Division of Water Resources
Application Number:

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



4 DEPTH OF COMPLETED WELL 20 ft. ELEVATION:
Depth(s) Groundwater Encountered 1 14.5 ft. 2 ft. 3 ft.
WELL'S STATIC WATER LEVEL 14.5 ft. below land surface measured on mo/day/yr 10/22/90
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 20.4 ft., and in. to 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 Monitoring 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) STAINLESS STEEL)
CASING JOINTS: Glued Clamped Welded Threaded ✓
Blank casing diameter 2 in. to 10 ft., Dia in. to ft., Dia in. to ft.
Casing height above land surface 30 in., weight lbs./ft. Wall thickness or gauge No. 4
TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel (3 Stainless steel) 2 Brass 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 10 ft. to 20 ft., From ft. to ft.
From ft. to ft., From ft. to ft.
GRAVEL PACK INTERVALS: From 8 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 20.4 ft. to 20 ft., From 8 ft. to 2 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 (16 Other (specify below) LANDFILL / HAZ. WASTE STORAGE) 14 Abandoned water well 15 Oil well/Gas well
Direction from well? NE How many feet? 100

FROM	TO	LITHOLOGIC LOG
0	3.5	DRK GREY SITTY CLAY (A HOR)
3.5	5.0	TANNISH BRN s.l. CLAY (B HOR) Fe NODULES
5.0	8.0	DRK. BRN SITTY CLAY Fe NOD. MN STAINING
8.0	10.0	REDDISH BRN SILT W/SAND VERY FINE, WSL SORTED MN NODULES
10.0	20.4	SAME MN NODULES INCREASE IN SIZE TO 1/4", SATURATED @ 14.5'

FROM	TO	PLUGGING INTERVALS
0	2	CONCRETE CAP
2	8	BENTONITE GROUT
20	20.4	BENTONITE CHIPS
6	8	BENTONITE PELLETS

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) 10/22/90 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 530 This Water Well Record was completed on (mo/day/yr) 11/02/90
under the business name of SHAMROCK ENV. DRIL. by (signature) Clay G. Noyes

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 E/W SEC. ¼ ¼ ¼