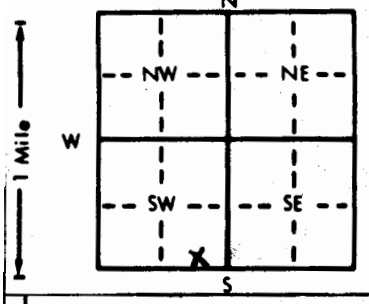
WATER WELL RECORD Form WWC-5 KSA 82a-1212

1 LOCATION OF WATER WELL: County: Saline | Fraction: SE ¼ SE ¼ SW ¼ | Section Number: 7 | Township Number: T 15 S | Range Number: R 3W E (W)

Distance and direction from nearest town or city street address of well if located within city?
3 miles west and 4 miles south ;of Salina

2 WATER WELL OWNER: City of Salina Well No. SSW-88-13
RR#, St. Address, Box #: P.O. Box 736
City, State, ZIP Code: Salina, KS 67402-0736
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 70 ft. ELEVATION: +/- 1306
Depth(s) Groundwater Encountered 1. 17 ft. 2. 28, 37 ft. 3. 66.5 ft.
WELL'S STATIC WATER LEVEL 14.14 ft. below land surface measured on mo/day/yr 11/8/88
Pump test data: Well water was ND ft. after 0.5 hours pumping 1.5 gpm
Est. Yield ... gpm: Well water was ... ft. after ... hours pumping ... gpm
Bore Hole Diameter 6 in. to 20 ft., and 4-3/4 in. to 72 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 X; If yes, mo/day/yr sample was submitted ... Water Well Disinfected? Yes ... No X

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 X
Blank casing diameter 2 in. to 67 ft., Dia ... in. to ... ft., Dia ... in. to ... ft.
Casing height above land surface 19 in., weight ... lbs./ft. Wall thickness or gauge No. SDR26

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 X 0.040" 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 67 ft. to 70 ft., From ... ft. to ... ft.
From ... ft. to ... ft., From ... ft. to ... ft.

GRAVEL PACK INTERVALS: From 65 ft. to 72 ft., From 20 ft. to 63 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 63 ft. to 65 ft., From 0 ft. to 20 ft., From ... ft. to ... ft.
What is the nearest source of possible contamination: Solid waste landfill
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? north How many feet? 2640

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	17	Clay			
17	18	Sand			
18	28	Clay			
28	28.5	Sand			
28.5	37	Clay			
37	39	Sand			
39	66.5	Clay			
66.5	68.5	Sand			
68.5	72	Shale See detailed log attached			

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) 11/4/88 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 126 This Water Well Record was completed on (mo/day/yr) 11/21/88
under the business name of Hydraulic Drilling by (signature) [signature]

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.

OFFICE USE ONLY T R EW SEC. ¼ ¼ ¼

Salina Solid Waste observation wells drilled in 1988 in
Sec. 7, T.15S., R.3W., Saline County, Kansas
Depths in feet below land surface.

No. 88-11, SW SE SE Sec. 7, 564 ft. east of No. 88-10. 150 ft. west of southeast corner of city security fence. Observation well

Colluvium and alluvium:

0	5	Clay, silty, dark and light gray
5	32	Clay, silty, light brown
32	68	Clay, light gray and light brown
68	71	Sand, fine to medium and gravel, fine to medium, silty Low permeability
71	78	Clay, light brown
78	88	Sand, fine to medium and gravel, fine to medium, Fairly low permeability

Permian:

88	91	Shale, silty, red

2-inch SDR 26 PVC cased to 88 ft. Lower 10 ft 0.040" slot screen. Gravel pack 20-73 and 75-88. Bentonite pellets 73 to 75. Bentonite Holeplug 0-20.
Static water level 24.93 ft. below top of casing 1.5 ft. above land surface 11/07/88.

No. 88-12, SW SE SW Sec. 7, 85 ft. east and 65 ft. north of center of creek bridge on south line of SW quarter. Observation well

Alluvium:

0	6	Clay, silty, dark and light gray-brown and gray
6	25.5	Clay, silty, light brown
25.5	27	Sand, fine to medium and gravel, fine to medium
27	33	Clay, light brown and light gray
33	36	Sand, fine to medium and gravel, medium to fine
36	55	Clay, light gray and light brown, sporadic gravel
55	56	Sand, fine to medium and gravel, medium to fine.

Permian:

56	62	Shale, gray-green

2-inch SDR 26 PVC cased to 37 ft., Lower 5 ft. 0.040" slot screen. 37-62, Holeplug bentonite., 30-37 gravel-pack, 28-30 bentonite pellets 20-28 gravel, 0-20 Hole Plug bentonite.
Static water level, 15.88 ft. below top casing 1.6 ft. above land surface 11/08/88

No. 88-13, SE SE SW Sec. 7, 35 ft. east of No. 88-12. Observation well.

Alluvium:

0	6	Clay, silty, gray and dark gray
6	17	Clay, silty, light brown
17	18	Sand, fine to medium, gravel, ;medium to fine and silt, brown
18	28	Clay, fine sandy, light gray and yellow
28	28.5	Sand, fine to medium and gravel, fine to medium
28.5	37	Clay, light brown and light gray
37	39	Sand, fine to medium and gravel, fine
39	66.5	Clay, light brown and yellow-gray
66.5	68.5	Sand, fine to medium and gravel, medium to fine

Permian:

68.5	72	Shale, red-brown

2-inch SDR 26 PVC cased to 70 ft., lower 3 ft. 0.040 " slots. Gravel pack 65-72, Bentonite pellets 63 to 65, Gravel 20-63, Bentonite Holeplug 0-20.
Static water level 15.74 ft. below top of casing 1.6 ft.