

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

1 LOCATION OF WATER WELL:	Fraction <u>SE 1/4 NE 1/4 NE 1/4</u>	Section Number <u>11</u>	Township Number <u>T 25 S</u>	Range Number <u>R 38W EW</u>
----------------------------------	--------------------------------------	--------------------------	-------------------------------	------------------------------

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

5 miles east-southeast of Kendall

Tate observation well #1

2 WATER WELL OWNER: <u>Kansas Geological Survey, for Division of Water Resources</u> RR#, St. Address, Box #: <u>1930 Constant Ave.</u> City, State, ZIP Code: <u>Lawrence KS 66047</u>	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: <u>30</u> ft. ELEVATION: <u>3085</u>
---	---

Depth(s) Groundwater Encountered 1. 3.0 ft. 2. _____ ft. 3. _____ ft.

WELL'S STATIC WATER LEVEL 3.0 ft. below land surface measured on mo/day/yr 8-3-2000

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: 7.25 in. to _____ ft. and _____ in. to _____ 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
2 Irrigation	4 Industrial	7 Lawn and garden only
		10 Monitoring well <u>Observation well</u>

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 _____
-------------------------------------	--

Blank casing diameter 2 in. to 25 ft., Dia. _____ in. to _____ ft., Dia. _____ in. to _____ ft.

Casing height above land surface 24 in., weight _____ lbs./ft. Wall thickness or gauge No. Sch 40

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	<u>3 Mill slot</u>	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 25 ft. to 30 ft., From _____ ft. to _____ ft., From _____ ft. to _____ ft.

GRAVEL PACK INTERVALS: From 1.0 ft. to 30 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 <u>0</u> ft. to <u>10</u> ft., From _____ ft. to _____ ft., From _____ ft. to _____ ft.
--------------------------	--

What is the nearest source of possible contamination:

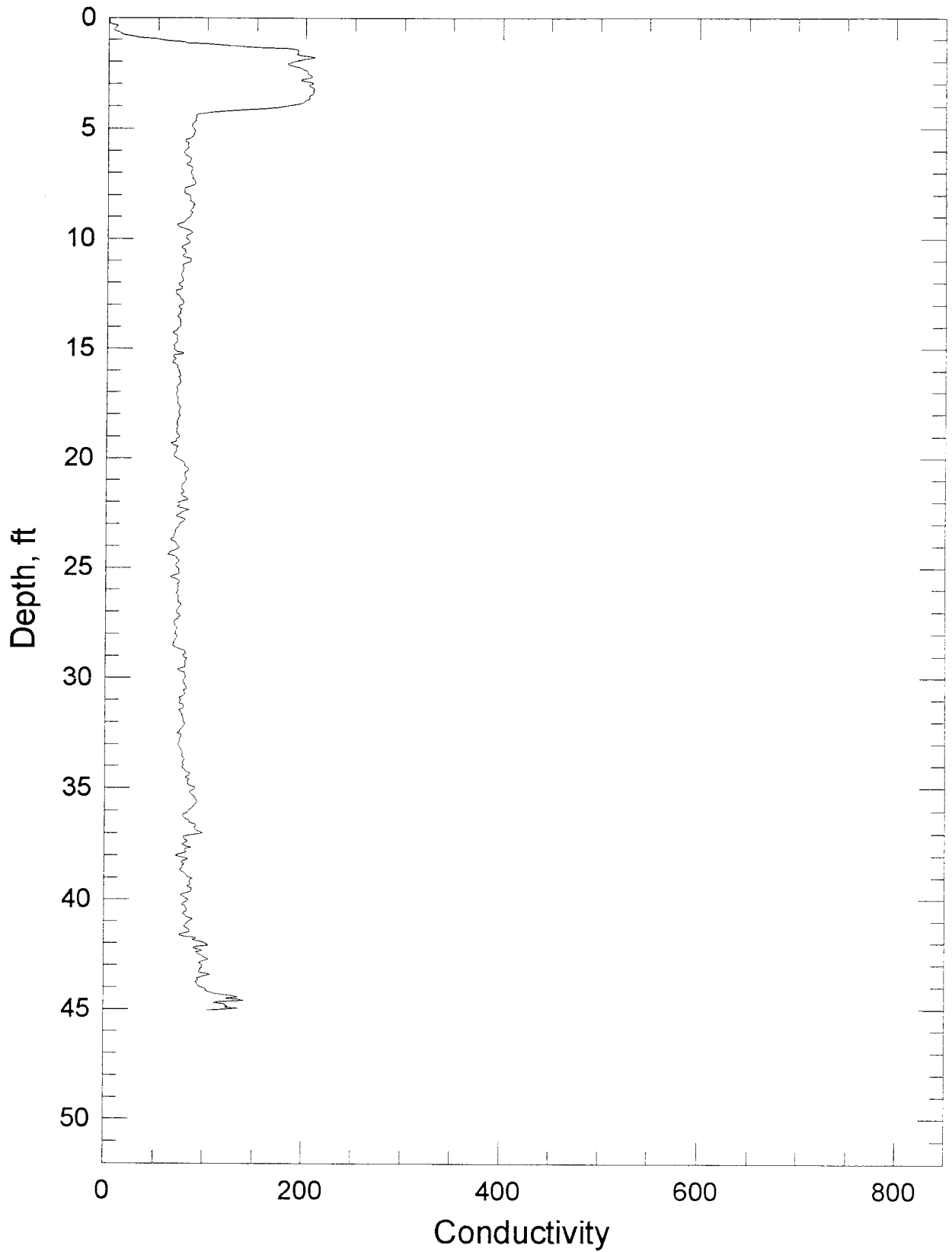
1 Septic tank	4 Lateral lines	7 Pit privy	10 Livestock pens	14 Abandoned water well
2 Sewer lines	5 Cess pool	8 Sewage lagoon	11 Fuel storage	15 Oil well/Gas well
3 Watertight sewer lines	6 Seepage pit	9 Feedyard	12 Fertilizer storage	16 Other (specify below)
			13 Insecticide storage	<u>None known</u>

Direction from well? _____ How many feet? _____

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
<u>0</u>	<u>1</u>	<u>Silty sand</u>			
<u>1</u>	<u>4</u>	<u>Silty clay to clay</u>			
<u>4</u>	<u>44</u>	<u>Coarse sand and fine to medium gravel</u>			
<u>44</u>	<u>45</u>	<u>Clay</u>			
		<u>Bedrock at 45 ft based on Geoprobe</u>			

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) 8-2-2000 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. _____ This Water Well Record was completed on (mo/day/yr) 2-1-2001 under the business name of Kansas Geological Survey by (signature) Donald Whitmore

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 66620-0001. Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records.



Geoprobe electrical conductivity profile for Tate Observation Well #1 location.

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

1 LOCATION OF WATER WELL: Fraction *NE 1/4 NE 1/4 SE 1/4* Section Number *11* Township Number *T 25 S* Range Number *R 38W EW*

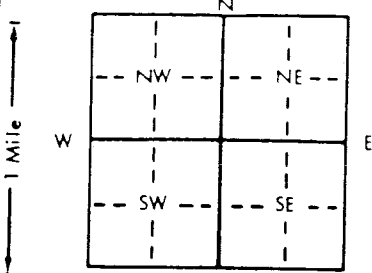
Distance and direction from nearest town or city street address of well if located within city?

5 miles east-southeast of Kendall

Tate observation well # 2

2 WATER WELL OWNER: *Kansas Geological Survey, for Division of Water Resources*
RR#, St. Address, Box #: *1930 Constant Ave.*
City, State, ZIP Code: *Lawrence KS 66047*
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: *33* ft. ELEVATION: *3088*
Depth(s) Groundwater Encountered 1. *6.9* ft. 2. ft. 3. ft.
WELL'S STATIC WATER LEVEL *6.9* ft. below land surface measured on *mo/day/yr 8-3-2000*
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: *7.25* in. to ft., and in. to ft.
WELL WATER TO BE USED AS:
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 *Observation well*
Was a chemical/bacteriological sample submitted to Department? Yes No *X*; If yes, mo/day/yr sample was submitted

5 TYPE OF BLANK CASING USED:
1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued Clamped
2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded
Blank casing diameter *2* in. to ft., Dia. in. to ft., Dia. in. to ft.
Casing height above land surface *24* in., weight lbs./ft. Wall thickness or gauge No. *Sch 40*

TYPE OF SCREEN OR PERFORATION MATERIAL:
1 Steel 3 Stainless steel 5 Fiberglass 7 PVC 10 Asbestos-cement
2 Brass 4 Galvanized steel 6 Concrete tile 8 RMP (SR) 11 Other (specify below)
SCREEN OR PERFORATION OPENINGS ARE:
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 below)

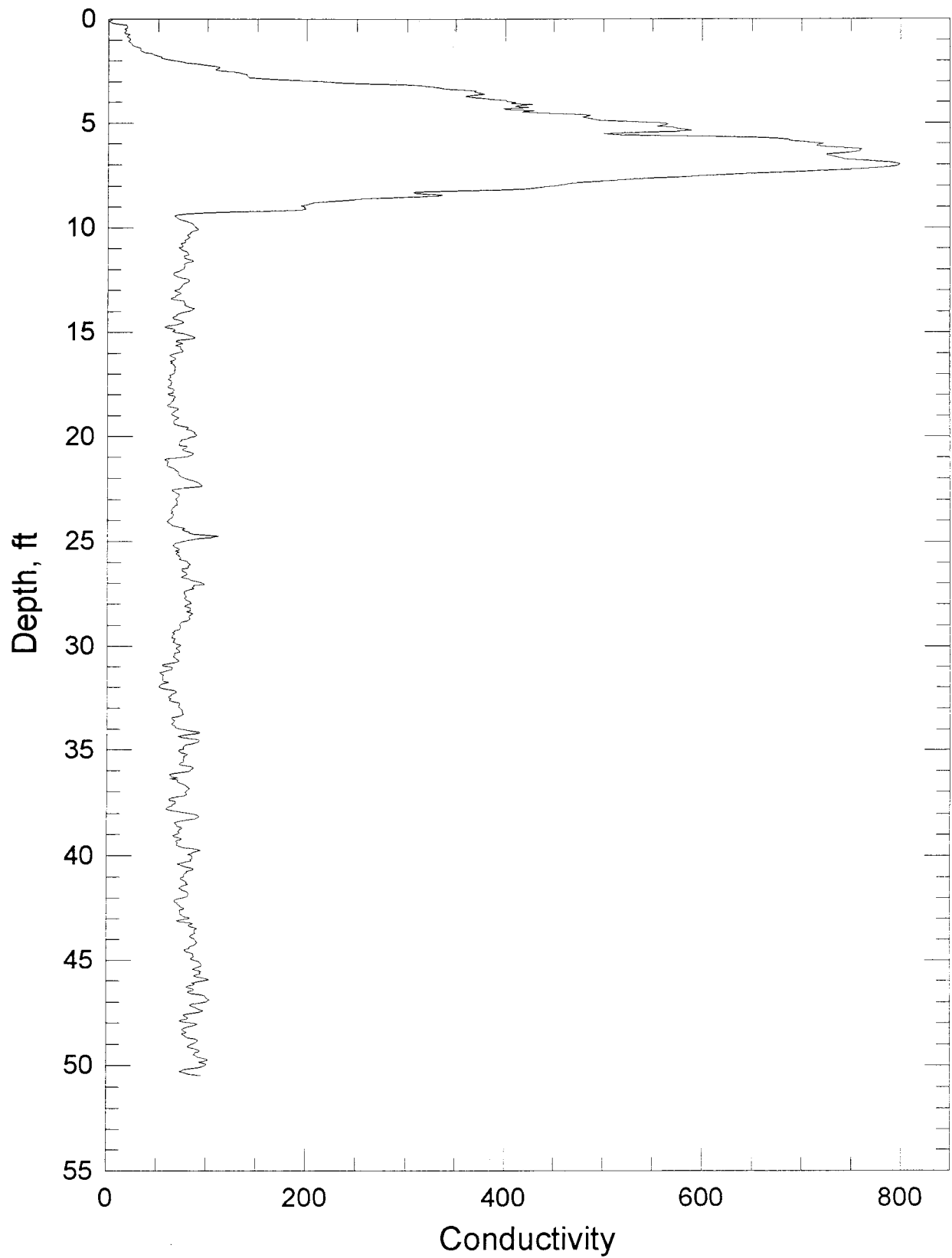
SCREEN-PERFORATED INTERVALS: From *28* ft. to *33* ft., From ft. to ft.
GRAVEL PACK INTERVALS: From *10* ft. to *33* ft., From ft. to ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other
Grout Intervals: From *0* ft. to *10* 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)
Direction from well? 13 Insecticide storage *None known*
How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
<i>0</i>	<i>2</i>	<i>Silt and sand</i>			
<i>2</i>	<i>9</i>	<i>Silty clay to clay</i>			
<i>9</i>	<i>50.5</i>	<i>Coarse sand and fine to medium gravel</i>			
		<i>Bedrock at 50.5 ft based on Geoprobe</i>			

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) *8-2-2000* and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. This Water Well Record was completed on (mo/day/yr) *2-1-2001* under the business name of *Kansas Geological Survey* by (signature) *Donald W. Winters*

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 66620-0001. Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records.



Geoprobe electrical conductivity profile for Tate Observation Well #2 location.