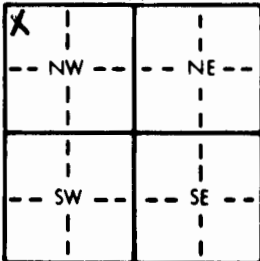


1 LOCATION OF WATER WELL: Fraction NW 1/4 NW 1/4 NW 1/4 Section Number 21 Township Number T 11 S Range Number R 16 EW
 County: Shawnee
 Distance and direction from nearest town or city street address of well if located within city?
130 NW Studer

2 WATER WELL OWNER: Dan Emrich
 RR#, St. Address, Box #: 130 NW Studer Board of Agriculture, Division of Water Resources
 City, State, ZIP Code: Topeka, KS Application Number:

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

 4 DEPTH OF COMPLETED WELL: 46 ft. ELEVATION:
 Depth(s) Groundwater Encountered 1. 20 ft. 2. ft. 3. ft.
 WELL'S STATIC WATER LEVEL 20' ft. below land surface measured on mo/day/yr 8-19-87
 Pump test data: Well water was ft. after hours pumping gpm
 Est. Yield 30 gpm: Well water was ft. after hours pumping gpm
 Bore Hole Diameter 12 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 9 Dewatering 12 Other (Specify below)
 2 Irrigation 4 Industrial 7 Lawn and garden only 10 Observation well
 Was a chemical/bacteriological sample submitted to Department? Yes No X; If yes, mo/day/yr sample was submitted
 Water Well Disinfected? Yes X No

5 TYPE OF BLANK CASING USED:
 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued X Clamped
 2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded
 7 Fiberglass Threaded
 Blank casing diameter 5" in. to 0-34 ft., Dia 5" in. to 44-46 ft., Dia in. to ft.
 Casing height above land surface 24" in., weight 2.82 lbs./ft. Wall thickness or gauge No. 258
 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)
 9 ABS 12 None used (open hole)
 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)
 SCREEN-PERFORATED INTERVALS: From 34 ft. to 44 ft., From ft. to ft.
 From ft. to ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From 20 ft. to 46 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 4 ft. to 20 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
 Direction from well? S How many feet? 150

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	6	TOP SOIL			
6	18	CL-BROWN			
18	36	FINE SAND COURSE SAND, BROWN			
36	46	FINE SAND, COURSE SAND, med, Peagravel, brown			

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) 8-19-87 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 182 This Water Well Record was completed on (mo/day/yr) 19-19-87 under the business name of Strader Drilling Co., Inc. by (signature) Dale Ashren