

LOCATION OF WATER WELL: County: Jefferson Fraction: NE 1/4 NE 1/4 SW 1/4 Section Number: 23 Township Number: T 11 S Range Number: R 18 E/W

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

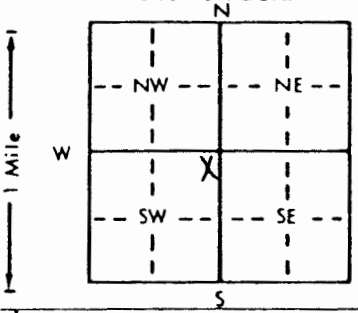
Near Perry High School

Observation Well #4

WATER WELL OWNER: Kansas Geological Survey
 RR#, St. Address, Box #: 1930 Constant
 City, State, ZIP Code: Lawrence Ks

Board of Agriculture, Division of Water Resources
 Application Number:

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



DEPTH OF COMPLETED WELL: 4.8 ft. ELEVATION: 8.51 ft.
 Depth(s) Groundwater Encountered 1. 2.7 ft. 2. ft. 3. ft.
 WELL'S STATIC WATER LEVEL: 2.7 ft. below land surface measured on mo/day/yr 5/15/89
 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: 6.74 in. to 4.8 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 Observation 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 X

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 4.8 ft., Dia. in. to ft., Dia. in. to ft.
 Casing height above land surface: 2.4 in., weight lbs./ft. Wall thickness or gauge No. 5 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 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 ft. to ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From ft. to ft., From ft. to ft.

GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other
 Grout Intervals: From ft. to ft., From ft. to 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 14 Abandoned water well 15 Oil well/Gas well 16 Other (specify below)

Direction from well? How many feet?

| FROM | TO | LITHOLOGIC LOG | FROM | TO | LITHOLOGIC LOG |
|------|----|---|------|----|---|
| | | Measured hole 22' TD put 2-10' tremie to hole and used neat cement mixture remaining from obs well which nearly filled hole mixed small amount of port cement to finish hole and left 4 inches below surface to allow grass regrowth. pushed this casing 2 ft below surface also. | | | |
| | | | | | REMOVED |
| | | | | | MAR 12 1984 |
| | | | | | BUREAU OF GEOLOGY & ENVIRONMENTAL GEOLOGY |

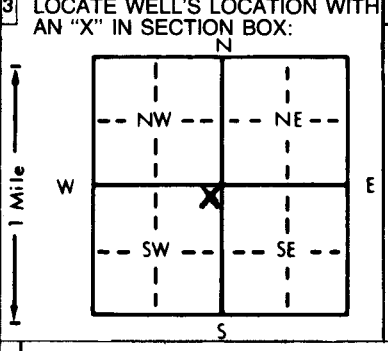
CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) Feb. 21 - 1984 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. This Water Well Record was completed on (mo/day/yr) Mar. 12 - 1984 under the business name of Kansas Geological Survey by (signature) Malcolm R. ...

INSTRUCTIONS: Use typewriter or ball point pen, PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send three copies to Kansas Department of Health and Environment, Division of Environment, Environmental Geology Section, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.

1 LOCATION OF WATER WELL: Fraction NE 1/4 NE 1/4 SW 1/4 Section Number 23 Township Number T 11 S Range Number R 18 E

Distance and direction from nearest town or city street address of well if located within city? near Perry, High School Observation Well #4

2 WATER WELL OWNER: Kansas Geological Survey RR#, St. Address, Box #: 1930 Constant Ave City, State, ZIP Code: Lawrence, KS 66044 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: 48 ft. ELEVATION: 851 ft. WELL'S STATIC WATER LEVEL: 27 ft. below land surface measured on mo/day/yr 5/15/82

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), 10 Observation well. CASING JOINTS: Glued, Clamped, Welded, Threaded. Blank casing diameter: 2 in. to 4.8 in. Dia. Casing height above land surface: 2.4 in., weight lbs./ft. Wall thickness or gauge No. Schedule 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, 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 15 ft. to 49 ft. GRAVEL PACK INTERVALS: From 15 ft. to 49 ft.

6 GROUT MATERIAL: 1 Neat cement, 2 Cement grout, 3 Bentonite, 4 Other. Grout intervals: From 0 ft. to 15 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, 14 Abandoned water well, 15 Oil well/Gas well, 16 Other (specify below). Direction from well? north How many feet? 25 feet

| FROM | TO | LITHOLOGIC LOG | FROM | TO | LITHOLOGIC LOG |
|------|----|--------------------------------|------|----|----------------|
| 0 | 19 | silt and clay | | | |
| 19 | 48 | medium to fine sand and gravel | | | |

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) 5/10/82 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) 2/26/84 under the business name of by (signature) P. Allen McFarland

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