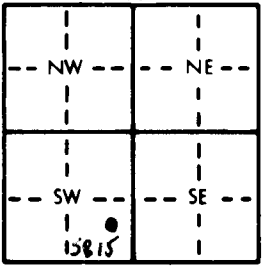


1 LOCATION OF WATER WELL: Fraction NE 1/4 SE 1/4 SW 1/4 Section Number 27 Township Number T 3 S Range Number R 16 EW
 County: PHILLIPS

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

Ryan construction property, south of school football field

2 WATER WELL OWNER: Environmental Research Division, Argonne National Laboratory
 RR#, St. Address, Box #: 9700 S. Cass Ave Board of Agriculture, Division of Water Resources
 City, State, ZIP Code: Argonne, IL 60302 Application Number:

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:  4 DEPTH OF COMPLETED WELL: 108.8 ft. ELEVATION: 1841 ± 2 ft
 Depth(s) Groundwater Encountered 1. 41.5 ft. 2. _____ ft. 3. _____ ft.
 WELL'S STATIC WATER LEVEL 41.5 ft. below land surface measured on mo/day/yr _____
 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: 8 in. to 108.8 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 Monitoring well
 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 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 98.5 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 80
 TYPE OF SCREEN OR PERFORATION MATERIAL: 7 PVC 10 Asbestos-cement
 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 11 Other (specify) _____
 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 12 None used (open hole)
 SCREEN OR PERFORATION OPENINGS ARE: 5 Gauzed wrapped 8 Saw cut 11 None (open hole)
1 Continuous slot 3 Mill slot 6 Wire wrapped 9 Drilled holes
 2 Louvered shutter 4 Key punched 7 Torch cut 10 Other (specify) _____
 SCREEN-PERFORATED INTERVALS: From 98.5 ft. to 108.5 ft., From _____ ft. to _____ ft.
 From _____ ft. to _____ ft., From _____ ft. to _____ ft.
 GRAVEL PACK INTERVALS: From 94 ft. to 108.8 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 0 ft. to 90.2 ft., From _____ ft. to _____ ft., From _____ ft. to _____ ft.
 What is the nearest source of possible contamination: 10 Livestock pens 14 Abandoned water well
 1 Septic tank 4 Lateral lines 7 Pit privy 11 Fuel storage 15 Oil well/Gas well
 2 Sewer lines 5 Cess pool 8 Sewage lagoon 12 Fertilizer storage 16 Other (specify below)
 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 13 Insecticide storage
 Direction from well? NW How many feet? 2000

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	2.5	CLAY, dk gray brown, homogeneous, dry	0	90.2	Portland Cement + 5% bentonite
2.5	20.5	SILT, pale to yw br, homog, dry	90.2	94	Bentonite
20.5	41.5	SILT, " " " " homog, calcareous, dry	94	108.8	filter pack sand for 10 slot screen
41.5	59.5	SAND, fine to med, light yw br, calcareous			
59.5	69	SILT, yw br calcareous			
69	79.5	SAND, fine to coarse, calcareous, occ gravel			
79.5	82.8	CLAY, silty yw br, homog, calcareous			
82.8	87.3	SAND, med-coarse,			

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) 7-10-95 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 581 This Water Well Record was completed on (mo/day/yr) 7-21-95 under the business name of Layne, Inc by (signature) Shawn R Mitchell