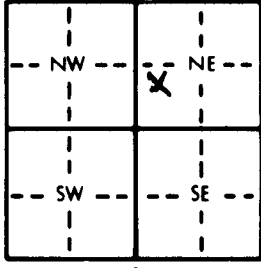


1 LOCATION OF WATER WELL: County: **REPUBLIC** Fraction: **NW 1/4 SW 1/4 NE 1/4** Section Number: **16** Township Number: **T 4 S** Range Number: **R 1 EW**

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

2 WATER WELL OWNER: **ENV. Research Div. Argonne Nat'l Lab.**
 RR#, St. Address, Box #: **9700 S. Cass Ave.**
 City, State, ZIP Code: **Argonne, IL 60302**
 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: **134** ft. ELEVATION: _____ ft.

Depth(s) Groundwater Encountered: _____ ft. 2. _____ ft. 3. _____ ft.

WELL'S STATIC WATER LEVEL: **46** 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: **7 7/8** in. to **70-134** ft., and **12** in. to **70** 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

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 _____
		7 Fiberglass		Threaded X

Blank casing diameter: _____ in. to **129-134** ft., Dia **4** in. to **119-129** ft., Dia **8** in. to **0-70** ft.

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

TYPE OF SCREEN OR PERFORATION MATERIAL:

1 Steel	3 Stainless steel	5 Fiberglass	8 RMP (SR)	10 Asbestos-cement
2 Brass	4 Galvanized steel	6 Concrete tile	9 ABS	11 Other (specify) _____
				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 **119** ft. to **129** ft., From _____ ft. to _____ ft.

GRAVEL PACK INTERVALS: From **114** ft. to **134** ft., From _____ ft. to _____ ft.

6 GROUT MATERIAL: **1 Neat cement** 2 Cement grout **3 Bentonite** 4 Other _____

Grout Intervals: From **0** ft. to **110** ft., From **110** ft. to **114** 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? **unknown** How many feet? _____

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	10	Dk. brn CLAY			
10	26	Lt brn silty clay			
26	66	Lt brn sandy silty clay			
66	70	Gray whrd. SHALE			
70	90	RED shale			
90	98	Whrd Sandstone			
98	129	Dense SD & Sandstone			
129	134	RED shale			

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) **4-19-96** 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) **4-22-96** under the business name of **Layne, Inc** by (signature) **Steven R. Mitchell**