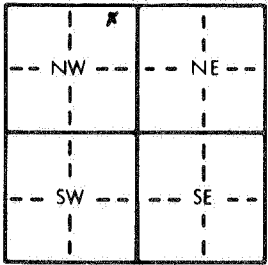


1 LOCATION OF WATER WELL: Fraction NE 1/4 NE 1/4 NW 1/4 Section Number 31 Township Number T 18 S Range Number R 10E EW
 County: Lyon

Distance and direction from nearest town or city street address of well if located within city?
2 West - 3 North - 1/2 East of Saffordville

2 WATER WELL OWNER: Ross Bradford
 RR#, St. Address, Box #: 2036 Park Av.
 City, State, ZIP Code: Emporia, KS 66801
 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: 55 ft. ELEVATION:
 Depth(s) Groundwater Encountered 1. 21 ft. 2. ft. 3. ft.
 WELL'S STATIC WATER LEVEL 16 ft. below land surface measured on mo/day/yr Mar 21 87
 Pump test data: Well water was ft. after hours pumping gpm
 Est. Yield 40 gpm Well water was ft. after hours pumping gpm
 Bore Hole Diameter 8 5/8 in. to 13 ft., and 6 1/4 in. to 55 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

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)
 Blank casing diameter 5 in. to 16 ft., Dia. in. to ft., Dia. in. to ft.
 Casing height above land surface 16 in., weight lbs./ft. Wall thickness or gauge No. SDR 26

TYPE OF SCREEN OR PERFORATION MATERIAL:
 1 Steel 2 Brass 3 Stainless steel 4 Galvanized steel 7 PVC 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 16 ft. to 55 ft., From ft. to ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From NONE 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 3 ft. to 13 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? South Proposed How many feet? 100

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	3	Top soil	36	44	Shale Gray
3	6	Clay Brn	44	45	LIME TAN
6	8	LIME Soft Lite	45	46	Shale Gray
8	13	Shale Lite Gray	46	48	LIME TAN
13	15	LIME White	48	54	Shale Black
15	18	Shale Lite	54	55	LIME TAN
18	21	Shale TAN			
21	22	Fractured LIME TAN			
22	23	LIME TAN			
23	24	Shale			
24	25	LIME TAN			
25	26	Shale TAN			
26	32	LIME TAN			
32	34	Shale Dark Gray			
34	36	LIME Gray			

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) Mar 21 87 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 218 This Water Well Record was completed on (mo/day/yr) Apr 2 87 under the business name of Zinn Water Well Dring by (signature) Joseph A. Zinn

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, Division of Environment, Environmental Geology Section, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.