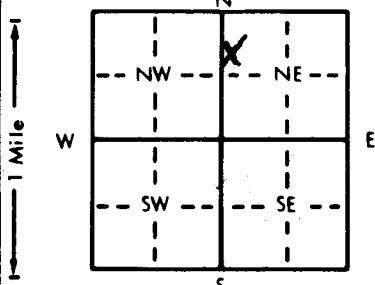


1 LOCATION OF WATER WELL: County: Marion Fraction: SW 1/4 NW 1/4 NE 1/4 Section Number: 5 Township Number: T 20 S Range Number: R 4 E

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

2 WATER WELL OWNER: E Helmer  
RR#, St. Address, Box #: 3043 Cedar  
City, State, ZIP Code: Marion KS 66861  
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: 90 ft. ELEVATION:

Depth(s) Groundwater Encountered: 1 45-82 ft. 2. ft. 3. ft.  
WELL'S STATIC WATER LEVEL: 45-82 ft. below land surface measured on 9-9-83  
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: 9 in. to 15 ft., and 7 in. to 90 ft.  
WELL WATER TO BE USED AS:  
1 Domestic 3 Feedlot 6 Oil field water supply 8 Air conditioning 11 Injection well  
2 Irrigation 4 Industrial 7 Lawn and garden only 9 Dewatering 12 Other (Specify below)  
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: 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued X Clamped \_\_\_\_\_  
1 Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) Welded \_\_\_\_\_  
2 PVC 4 ABS 7 Fiberglass \_\_\_\_\_ Threaded \_\_\_\_\_

Blank casing diameter: 5 in. to 70 ft., Dia \_\_\_\_\_ in. to \_\_\_\_\_ ft., Dia \_\_\_\_\_ in. to \_\_\_\_\_ ft.  
Casing height above land surface: 12 in., weight Class 160 lbs./ft. Wall thickness or gauge No. 2.14

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) \_\_\_\_\_  
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 70 ft. to 90 ft., From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
From \_\_\_\_\_ ft. to \_\_\_\_\_ ft., From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
GRAVEL PACK INTERVALS: From 13 ft. to 90 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 3 ft. to 13 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? N How many feet? 30

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	2	top soil			
2	11	yellow clay			
11	42	lime stone			
42	82	yellow + red shale + clay			
82	83	water			
83	90	white rock			

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) 9-9-83 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 100 This Water Well Record was completed on (mo/day/yr) 9-9-83 under the business name of Backhus Drilling by (signature) Paul Backhus