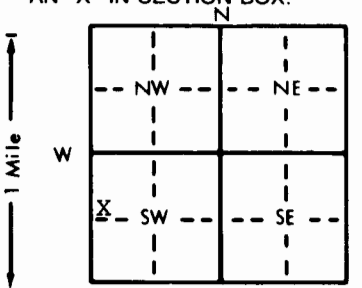


1 LOCATION OF WATER WELL: County: **Barton** Fraction: **SW 1/4 NW 1/4 SW 1/4** Section Number: **4** Township Number: **T 18 S** Range Number: **R 13** **(EW)**

Distance and direction from nearest town or city street address of well if located within city?
Union Pacific Railroad, Hoisington, KS 52895105 HMW-4

2 WATER WELL OWNER: **Union Pacific Railroad**
 RR#, St. Address, Box # : **Hoisington Railyard** Board of Agriculture, Division of Water Resources
 City, State, ZIP Code : **Hoisington, KS** Application Number:

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:  4 DEPTH OF COMPLETED WELL: **23.5** ft. ELEVATION: **Approx. Surface Elev: 1820**
 Depth(s) Groundwater Encountered 1. **17.0** ft. 2. _____ ft. 3. _____ ft.
 WELL'S STATIC WATER LEVEL **15.3** ft. below land surface measured on **mo/day/yr 12/27/89**
 Pump test data: Well water was _____ ft. after _____ hours pumping _____ gpm
 Est. Yield **N/A** gpm: Well water was _____ ft. after _____ hours pumping _____ gpm
 Bore Hole Diameter **9** in. to **23.5** in. to _____ 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 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 **X**
 Blank casing diameter **2** in. to **8.5** ft., Dia _____ in. to _____ ft., Dia _____ in. to _____ ft.
 Casing height above land surface **30** 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 **8.5** ft. to **23.0** ft., From _____ ft. to _____ ft.
 GRAVEL PACK INTERVALS: From **7.0** ft. to **23.5** ft., From _____ ft. to _____ ft.

6 GROUT MATERIAL: 1 Neat cement 2 **Cement grout** 3 **Bentonite** 4 Other _____
 Grout Intervals: From **0** ft. to **5.0** ft., From **5.0** ft. to **7.0** 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	PLUGGING INTERVALS
0	3.5	Fill: Brown Lean Clay			
3.5	8.5	Brown Clay with Calcareous Nodules			
8.5	9.5	Brown Lean Clay			
9.5	20.5	Gray Lean Clay			
20.5	22.5	Brown Lean Clay with Sand			
22.5	23.5	Brown Lean Clay			

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) **12/20/89** and this record is true to the best of my knowledge and belief, Kansas Water Well Contractor's License No. **416** This Water Well Record was completed on (mo/day/yr) **3/22/90** under the business name of **Terracon Consultants, Inc.** by (signature) *[Signature]*