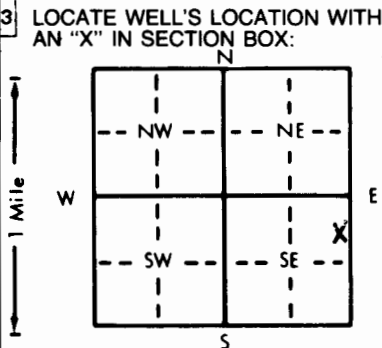


WATER WELL RECORD Form WWC-5 KSA 82a-1212

1 LOCATION OF WATER WELL: Fraction $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ Section Number **17** Township Number **T 23 S** Range Number **R 1 EW**
 County: **HARVEY**
 Distance and direction from nearest town or city street address of well if located within city? **Just West of Main line UPRR Between North/South Partition of Kansas street & Between 5th & 6th Streets Newton Kansas**

2 WATER WELL OWNER: **USPCI/UPRR**
 RR#, St. Address, Box #: **5665 Platiron Plwy** Board of Agriculture, Division of Water Resources
 City, State, ZIP Code: **Boulder CO 80301** Application Number:



4 DEPTH OF COMPLETED WELL: **13** ft. ELEVATION: **~ 1456**
 Depth(s) Groundwater Encountered 1. _____ ft. 2. _____ ft. 3. _____ ft.
 WELL'S STATIC WATER LEVEL **4.65** ft. below land surface measured on mo/day/yr **6/7/90**
 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 **13** in. and _____ in. to _____ in. 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 **MW3**
 Was a chemical/bacteriological sample submitted to Department? Yes _____ No _____; If yes, mo/day/yr sample was submitted _____
 Water Well Disinfected? Yes _____ No **(X)**

5 TYPE OF BLANK CASING USED: 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued _____ Clamped _____
 1 Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) Welded _____
(2) PVC 4 ABS 7 Fiberglass Threaded **(X)**
 Blank casing diameter **2"** in. to **13** 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: **(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 **3** ft. to **13** ft., From _____ ft. to _____ ft.
 From **2** *etc* ft. to **20** *etc* ft., From _____ ft. to _____ ft.
 GRAVEL PACK INTERVALS: From **2** ft. to **20** 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 **1** ft., From **1** ft. to **2** 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 **UNKNOWN**

Direction from well? _____ How many feet? _____


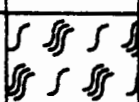
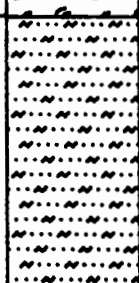
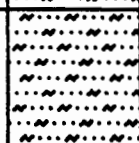
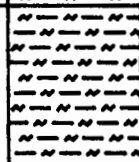
| FROM | TO | LITHOLOGIC LOG | FROM | TO | PLUGGING INTERVALS |
|------|----|--------------------------------------|------|-----|--------------------------|
| | | See attached well log NEWMW-3 | 0 | 3' | Native soil |
| | | from time well drilled and completed | 3' | 15' | Sodium bentonite pellets |
| | | | | | |
| | | | | | |
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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) **Feb 16, 1994** and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. _____ This Water Well Record was completed on (mo/day/yr) **7-11-94** under the business name of _____ by (signature) **David G. Earnshaw**

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, Bureau of Water, Topeka, Kansas 66620-0001. Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records.

Remedial Services

| | | | | | |
|------------------------------|-------------------|-------------------------|----------------------|--------------------------|--|
| CLIENT: U.P. Rail Road | | | JOB NUMBER: 96120 | | |
| PROJECT: LUST PROJECT | | | LOCATION: Newton, KS | | |
| DRILLED BY: Layne-Western Co | | DRILLER: Randy Crowl | | METHOD: 8" OD H.S. Auger | |
| DATE START: 6-7-90 | DATE COMP: 6-8-90 | SURF. EL: 1000.03 | | TD: 20 ft | |
| LOGGED BY: R. Lesser | | APPROVED BY: R. Ditzers | | DEPTH TO WATER: 4.65 ft | |

| WELL COMP | DPT | DESCRIPTION | GRAPHIC LOG USCS CODE | ODOR | SAMPLE NUMBER | SAMPLE ANAL |
|---|-----|--|--|------|---------------|-------------|
|  | 0 | FILL or disturbed soil of orange clay, plastic, inclusions of oil, moist, firm |  | | | |
| | | Brown and tan mottled CLAY, plastic, grains of carbonate, moist. |  | 0 | | |
| | 10 | Green CLAY, hard and firm, plastic, carbonate grains, wet on bottom. |  | 0 | 10-12 | |
| | | Green SHALE, clayey, layers of 80 mesh carbonate, hard and firm. |  | 0 | 19-20 | |
| | 20 | Boring completed to 20' | | | | |
| | | See text for discussion of TPH results | | | | |
| | 30 | | | | | |
| | 40 | | | | | |