

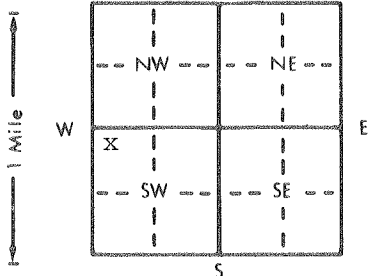
| | | | | |
|--|---|-----------------------------|----------------------------------|---------------------------------|
| 1 LOCATION OF WATER WELL: County: <u>Kearny</u> | Fraction <u>NW 1/4 NW 1/4 SW 1/4</u> | Section Number <u>11</u> | Township Number <u>T 24 S</u> | Range Number <u>R 35 E/W</u> |
|--|---|-----------------------------|----------------------------------|---------------------------------|

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

Just southwest of Deerfield High School

| | | |
|---|---|--|
| 2 WATER WELL OWNER: RR#, St. Address, Box # : City, State, ZIP Code | <u>Kansas Geological Survey</u> <u>1930 Constant Ave.</u> <u>Lawrence, KS 66045</u> | Board of Agriculture, Division of Water Resources Application Number: |
|---|---|--|

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:



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|---|
| 4 DEPTH OF COMPLETED WELL... <u>342</u> ft. ELEVATION: <u>unknown</u> |
| Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft. |
| WELL'S STATIC WATER LEVEL <u>not ch'd</u> ft. below land surface measured on <u>mo/day/yr</u> |
| Pump test data: Well water was <u>not ch'd</u> ft. after hours pumping gpm |
| Est. Yield <u>unknown</u> gpm: Well water was ft. after hours pumping gpm |
| Bore Hole Diameter... <u>6</u> in. to <u>3.55</u> ft., and 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 <u>Observation Well</u> |
| Was a chemical/bacteriological sample submitted to Department? Yes.....No... <u>X</u> ...; If yes, mo/day/yr sample was submitted |
| Water Well Disinfected? Yes No <u>X</u> |

| | | | |
|---|--------------------|--------------------|---------------------------------------|
| 5 TYPE OF CASING USED: | 5 Wrought iron | 8 Concrete tile | CASING JOINTS: Glued <u>X</u> Clamped |
| 1 Steel | 3 RMP (SR) | 6 Asbestos-Cement | 9 Other (specify below) |
| 2 PVC | 4 ABS | 7 Fiberglass | Welded |
| Blank casing diameter... <u>2 1/2</u> in. to <u>330</u> ft., Dia. in. to ft., Dia. in. to ft. | | | Threaded |
| Casing height above land surface... <u>24</u> in., weight... <u>1.10</u> lbs./ft. Wall thickness or gauge No. <u>203</u> | | | |
| TYPE OF SCREEN OR PERFORATION MATERIAL: | 7 PVC | 10 Asbestos-cement | |
| 1 Steel | 3 Stainless steel | 5 Fiberglass | 8 RMP (SR) |
| 2 Brass | 4 Galvanized steel | 6 Concrete tile | 9 ABS |
| 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... <u>330</u> ft. to <u>340</u> ft., From ft. to ft. | | | |
| GRAVEL PACK INTERVALS: From... <u>320</u> ft. to <u>355</u> ft., From ft. to ft. | | | |

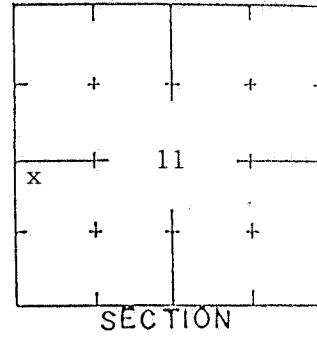
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|---|--------------------------|-----------------|-----------------|--------------------------|
| 6 GROUT MATERIAL: | 1 Neat cement | 2 Cement grout | 3 Bentonite | 4 Other |
| Grout Intervals: From... <u>0</u> ft. to <u>320</u> ft., From ft. to ft., From ft. to ft. | | | | |
| What is the nearest source of possible contamination: | 1 Septic tank | 4 Lateral lines | 7 Pit privy | 10 Livestock pens |
| | 2 Sewer lines | 5 Cess pool | 8 Sewage lagoon | 11 Fuel storage |
| | 3 Watertight sewer lines | 6 Seepage pit | 9 Feedyard | 12 Fertilizer storage |
| | | | | 13 Insecticide storage |
| | | | | 14 Abandoned water well |
| | | | | 15 Oil well/Gas well |
| | | | | 16 Other (specify below) |
| | | | | <u>None known</u> |

| Direction from well? | | LITHOLOGIC LOG | | How many feet? | |
|----------------------|-----|----------------|-----|---------------------------------------|----|
| FROM | TO | FROM | TO | FROM | TO |
| 0 | 2 | 256 | 258 | XXXXXXXXXXXX | |
| | | | | Sand and gravel, medium, fine | |
| 2 | 11 | 258 | 267 | Clay, tan | |
| 11 | 21 | 267 | 278 | Sand and gravel, coarse, medium, fine | |
| 21 | 25 | | | | |
| | | 278 | 327 | Clay, brown | |
| 25 | 34 | 327 | 340 | Sand and gravel, medium, fine | |
| 34 | 51 | 340 | 345 | Clay, white and yellow | |
| 51 | 60 | 345 | 355 | Shale, black | |
| 60 | 66 | | | | |
| 66 | 96 | | | | |
| 96 | 101 | | | | |
| 101 | 210 | | | | |
| 210 | 237 | | | | |
| 237 | 250 | | | | |
| 250 | 256 | | | | |

| |
|---|
| 7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) <u>constructed</u> , (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) <u>2-12-98</u> and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. <u>185</u> This Water Well Record was completed on (mo/day/yr) <u>2-27-98</u> under the business name of <u>Clarke Well & Equipment, Inc.</u> by signature <u>[Signature]</u> |
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CLARKE WELL & EQUIPMENT, INC.

WELL RECORD DESIGN & CONSTRUCTION SHEET



JOB NUMBER 4187
 WELL OWNER Kansas Geological Survey WELL NO. DOW 1-98
 WELL USE Observation Well APPROPRIATION NO. _____
 LOCATION NW 1/4 NW 1/4 SW 1/4, SECTION NO. 11
 T 24 S, R 35 W/E Kearny COUNTY Kansas State
 _____ FSL, _____ FEL

SIZE HOLE 6 " DIA.
 SIZE CASING 2 1/2 " DIA. .203 WALL; WT. 1.10 LBS/FT PVC MATERIAL
 SIZE SCREEN 2 1/2 " DIA. .203 WALL PVC MATERIAL .032 Mill SLOT/NOSE

| FORMATION LOG. From test no. | | | Formation Thickness | FROM GROUND LEVEL | FROM | TO | FTG |
|------------------------------|-----|---------------------------------------|---------------------|--------------------------|------|-----|-----|
| from | to | to | | | | | |
| 0 | 2 | Topsoil | | Casing | 0 | 330 | 330 |
| 2 | 11 | Clay, gray | | Screen | 330 | 340 | 10 |
| 11 | 21 | Clay, black and green | | | | | |
| 21 | 25 | Sand and gravel, coarse, medium, fine | | | | | |
| 25 | 34 | Clay, brown | | | | | |
| 34 | 51 | Sand and gravel, medium, fine | | | | | |
| 51 | 60 | Clay, yellow and white | | | | | |
| 60 | 66 | Sand and gravel, medium, fine | | | | | |
| 66 | 96 | Clay, brown | | | | | |
| 96 | 101 | Sand and gravel, medium, fine | | | | | |
| 101 | 210 | Clay, blue and gray | | | | | |
| 210 | 237 | Clay, tan | | | | | |
| 237 | 250 | Sand and gravel, medium, fine | | | | | |
| 250 | 256 | Clay, tan | | | | | |
| 256 | 258 | Sand and gravel, medium, fine | | CASING LEFT ABOVE GROUND | | | 2 |
| | | CONTINUED ON BACK SIDE | | TOTAL CASING AND SCREEN | | | 342 |

STATIC WATER LEVEL _____ CHLORINATE None QUANTITY USED _____
 From ground level

GRAVEL PACK 320 TO 355 ANNULAR SEAL 0 TO 320 Neat Cement
 _____ TO _____ _____ TO _____

WHAT IS THE NEAREST SOURCE OF POSSIBLE CONTAMINATION None known

DIRECTION FROM WELL _____ HOW MANY FEET _____

DESIGNED BY _____ DRILLED BY Edward Cass DATE 2-12-98

