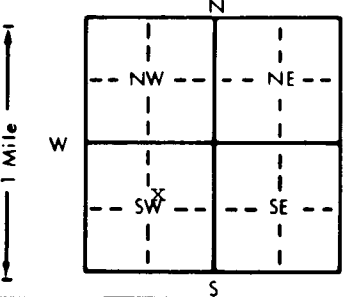


1 LOCATION OF WATER WELL: County: Ellis Fraction: SW 1/4 NE 1/4 SW 1/4 Section Number: 28 Township Number: T 15 S Range Number: R 18 E/W

Distance and direction from nearest town or city street address of well if located within city?
Approximately 9 1/2 miles south of Hays

2 WATER WELL OWNER: City of Hays
 RR#, St. Address, Box #: P.O. Box 490
 City, State, ZIP Code: Hays, KS 67601
 Board of Agriculture, Division of Water Resources
 Application Number: 5757

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


4 DEPTH OF COMPLETED WELL: 56 ft. ELEVATION: unknown
 Depth(s) Groundwater Encountered 1. 14.95 ft. 2. 33.2 ft. 3. 400 ft.
 WELL'S STATIC WATER LEVEL 14.95 ft. below land surface measured on mo/day/yr 11-19-90
 Pump test data: Well water was XXXXXXXX ft. after 24 hours pumping 400 gpm
 Est. Yield XXXXXXXX gpm: Well water was 33.2 ft. after hours pumping gpm
 Bore Hole Diameter: 48 in. to 56 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
 Was a chemical/bacteriological sample submitted to Department? Yes X No ; If yes, mo/day/yr sample was submitted Sample to be submitted by City
 Water Well Disinfected? Yes X No

5 TYPE OF BLANK CASING USED:
 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued Clamped
 2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded
 7 Fiberglass Threaded
 Blank casing diameter 16 in. to 36 ft., Dia in. to ft., Dia in. to ft.
 Casing height above land surface 24 in., weight 62.58 lbs./ft. Wall thickness or gauge No. 375
 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)
 9 ABS 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 36 ft. to 56 ft., From ft. to ft.
 From ft. to ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From 30 ft. to 56 ft., From ft. to ft.
 From ft. to ft., From ft. to ft.

6 GROUT MATERIAL: 50% road sand and 50% Bentonite Holeplug 4 Other 50/50 Concrete grout
 Grout Intervals: From 27 ft. to 30 ft., From ft. to ft., From 7 ft. to 27 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 none apparent
 Direction from well? How many feet?

| FROM | TO | LITHOLOGIC LOG | FROM | TO | PLUGGING INTERVALS |
|------|----|--|------|----|--|
| 0 | 9 | Topsoil, fine, sand, silty | | | NOTE: After drilling and flow tested the 16" casing was extended approximately 8.25 above ground This well is called S-18 |
| 9 | 23 | Sand and Gravel, fine, medium, coarse with large, very loose, limestone cobble, severe loss circulation | | | |
| 23 | 25 | Sand and Gravel with thin clay streaks | | | |
| 25 | 36 | Clay, green and gray, soft and silty | | | |
| 36 | 56 | Sand and Gravel, fine, medium, coarse with limestone cobble and reworked (loose shale) circulation loss - more than normal | | | |
| | 56 | Black shale | | | |

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) 11-15-90 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 185 This Water Well Record was completed on (mo/day/yr) 11-30-90 under the business name of Clarke Well & Equipment, Inc. by (signature)