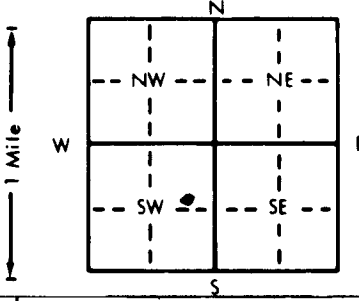


1 LOCATION OF WATER WELL: Fraction SE 1/4 NE 1/4 SW 1/4 Section Number 35 Township Number T 32 Range Number R 41
 County: Morton

Distance and direction from nearest town or city street address of well if located within city?
Rolla - 8 1/2 mi North of Hwy. 51 - 6 mi west - 3/4 mi South + 3/4 EAST ->

2 WATER WELL OWNER: WARREN BOWKER Ph. 316-592-2156
 RR#, St. Address, Box #: 157517 Rd. 17 Board of Agriculture, Division of Water Resources
 City, State, ZIP Code: Richfield, Kan. 67953 Application Number:

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

 4 DEPTH OF COMPLETED WELL: 360 ft. ELEVATION:
 Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft.
 WELL'S STATIC WATER LEVEL 165 ft. below land surface measured on mo/day/yr 6-18-98
 Pump test data: Well water was ft. after hours pumping gpm
 Est. Yield 90 gpm: Well water was ft. after hours pumping gpm
 Bore Hole Diameter 12 1/4 in. to 25 ft., and 10 1/4 in. to 360 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 X No

5 TYPE OF BLANK CASING USED:
 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued X Clamped
 2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded
 7 Fiberglass Threaded
 Blank casing diameter 6.56 in. to ft., Dia. in. to ft., Dia. in. to ft.
 Casing height above land surface 30 in., weight 200 lbs./ft. Wall thickness or gauge No. SDR-21
 TYPE OF SCREEN OR PERFORATION MATERIAL:
 1 Steel 3 Stainless steel 5 Fiberglass 7 PVC 035 10 Asbestos-cement
 2 Brass 4 Galvanized steel 6 Concrete tile 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 280 ft. to 360 ft., From ft. to ft.
 From ft. to ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From 220 ft. to 360 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 23 ft., From 215 ft. to 220 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? Southwest How many feet? 150'

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	4	Topsoil	193	216	Yellow clay
4	12	Brown Sandy Clay	216	232	Red-pink-white sandy clay
12	26	Tan Sandy Clay			w/ sandstone
26	51	Tan Clay	232	275	Sandstone w/ tan-yellow-red sandy clay
51	62	Tan Clay w/ Sandstone			
62	70	Fine sand	275	326	Soft sandstone & fine sand w/ sandy clay (lost circ.)
70	89	Tan sandy clay w/ caliche & sandstone	326	360	Sandstone w/ red-yellow sandy clay
89	120	Brown sandy clay & Sandstone			
120	134	Cemented sand			
134	149	Tan clay			
149	158	Sand w/ Tan clay streaks			
158	175	Tan clay w/ sand streaks			
175	180	Coarse sand			
180	193	Tan 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) 6-18-98 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. KSA-600 This Water Well Record was completed on (mo/day/yr) 6-19-98 under the business name of CRAMER DRILLING CO. by (signature) Ray Cramer

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.

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