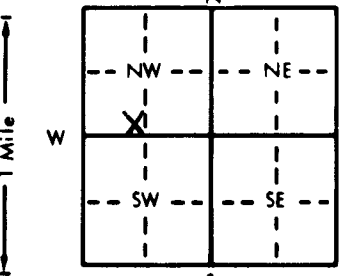


1 LOCATION OF WATER WELL: Fraction SE 1/4 SW 1/4 NW 1/4 Section Number 34 Township Number T 4 S Range Number R 12 EW
 County: Nemaha

Distance and direction from nearest town or city street address of well if located within city?
approximately 1 3/4 miles west of Corning

2 WATER WELL OWNER: KGS
 RR#, St. Address, Box #: 1930 Constant Ave. Board of Agriculture, Division of Water Resources
 City, State, ZIP Code: Lawrence, KS 66046 Application Number:

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


4 DEPTH OF COMPLETED WELL: 334 ft. ELEVATION: 1350⁺
 Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft.
 WELL'S STATIC WATER LEVEL: 105.2 ft. below land surface measured on mo/day/yr 7/24/86
 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: 10 in. to 336 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 Observation well Monitoring & research
 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: 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued X Clamped
 1 Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) Welded
 2 PVC 4 ABS 7 Fiberglass Threaded
 Blank casing diameter 5 in. to 334 ft., Dia. in. to ft., Dia. in. to ft.
 Casing height above land surface 16 in., weight lbs./ft. Wall thickness or gauge No. SDR 26
 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 .035 6 Wire wrapped 9 Drilled holes
 2 Louvered shutter 4 Key punched 7 Torch cut 10 Other (specify)

SCREEN-PERFORATED INTERVALS: From 324 ft. to 334 ft., From ft. to ft.
 From ft. to ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From 318 ft. to 336 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 318 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 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? How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	3	Dark brown silty clay topsoil			
3	4	Medium brown silty sandy clay			
4	94	Tan silty sandy clay w/gravel			
54	59	Interbedded tan and gray layers of silty sandy clay with gravel			
59	330	Gray silty sandy clay with gravel and some silt, sandy and/or gravel layers, especially below 157 feet.			
330	334	Gravel			
334	336	White to light gray to tan limestone			

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) 8/29-9/6/85; bailed 9/26, 27/85 & flushed 4/10/86 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) 7/25/86
 under the business name of KGS; M. Kleinschmidt, Mgr./Driller w/R. John (signature) John K. Dene

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, Office of Oil Field and Environmental Geology, Regulation and Permitting Section, Topeka, Kansas 66620-7500, Telephone: 913-862-9360. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY
 T
 R
 EW
 SEC.
 1/4
 1/4
 1/4

Nemaha County SE SW NW 34-4-12 Attachment

This well is to be abandoned and cemented because of several problems. The hole was drilled to 336 feet with a 9 7/8-inch diameter bit. The drill crew had trouble getting the casing to the bottom of the hole, and eventually the casing broke. The crew thought the casing that broke (more than 200 feet long) lodged at a depth between 58 and 290 feet. The lost casing could not be retrieved, so the crew redrilled the hole with the 9 7/8-inch bit. No casing cuttings were observed during redrilling. A second casing with no bottom cap was put in to a depth of 334 feet. Very inconsistent water levels (from 4 to 105 feet) and total depth measurements less than what they should be have indicated that the well was plugged and that there may be a near-surface (less than approximately 50 feet) leak in the casing.