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

1 LOCATION OF WATER WELL:	Fraction	Section Number	Township Number	Range Number
County: Gray	SE ¼ SE ¼ SW ¼	17	T 27 S	R 30 E/W

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

10 Mile North & 1 Mile East of Copeland

2 WATER WELL OWNER: Mr. Eugene Unruh

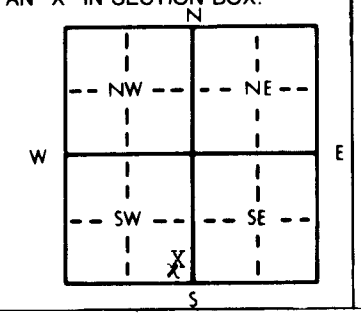
RR#, St. Address, Box # : Route 1 Box 22B

City, State, ZIP Code : Copeland, Kansas 67837

Board of Agriculture, Division of Water Resources

Application Number: 8990

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



4 DEPTH OF COMPLETED WELL 297 ft. ELEVATION:

Depth(s) Groundwater Encountered 1. 180 ft. 2. 278 ft. 3. 285 ft.

WELL'S STATIC WATER LEVEL 145 ft. below land surface measured on mo/day/yr 3-3-1994

Pump test data: Well water was 180 ft. after 4 hours pumping 500 gpm

Est. Yield 1000 gpm: Well water was 200 ft. after 2 hours pumping 1000 gpm

Bore Hole Diameter 26 in. to 297 ft., and in. to ft.

WELL WATER TO BE USED AS: 1 Domestic 2 Irrigation 3 Feedlot 4 Industrial 5 Public water supply 6 Oil field water supply 7 Lawn and garden only 8 Air conditioning 9 Dewatering 10 Monitoring well 11 Injection well 12 Other (Specify below)

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 2 PVC 3 RMP (SR) 4 ABS 5 Wrought iron 6 Asbestos-Cement 7 Fiberglass 8 Concrete tile 9 Other (specify below)

CASING JOINTS: Glued X Clamped Welded Threaded

Blank casing diameter 16 in. to 257 ft., Dia in. to ft., Dia in. to ft.

Casing height above land surface 12" in., weight lbs./ft. Wall thickness or gauge No. CL160 .616

TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 2 Brass 3 Stainless steel 4 Galvanized steel 5 Fiberglass 6 Concrete tile 7 PVC 8 RMP (SR) 9 ABS 10 Asbestos-cement 11 Other (specify) 12 None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE: 1 Continuous slot 2 Louvered shutter 3 Mill slot 4 Key punched 5 Gauzed wrapped 6 Wire wrapped 7 Torch cut 8 Saw cut 9 Drilled holes 10 Other (specify) 11 None (open hole)

SCREEN-PERFORATED INTERVALS: From 257 ft. to 297 ft., From ft. to ft.

From ft. to ft., From ft. to ft.

GRAVEL PACK INTERVALS: From 20 ft. to 297' 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 20 ft., From ft. to ft., From ft. to ft.

What is the nearest source of possible contamination: 1 Septic tank 2 Sewer lines 3 Watertight sewer lines 4 Lateral lines 5 Cess pool 6 Seepage pit 7 Pit privy 8 Sewage lagoon 9 Feedyard 10 Livestock pens 11 Fuel storage 12 Fertilizer storage 13 Insecticide storage 14 Abandoned water well 15 Oil well/Gas well 16 Other (specify below)

Direction from well? East (Will be plugged) How many feet? 300

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	15	Topsoil & clay	195	218	Clay & little lime
15	45	Clay & Fine Sand	218	225	Fine sand & clay
45	60	Fine Sand & clay	225	233	Clay & little lime & little fine sand
60	75	Sand & Gravel & little clay	233	241	Sand (little fine)
75	82	Clay & little lime	241	270	Clay & little lime
82	135	Sand & gravel	270	277	Clay (Gum)
135	141	XXXX Clay & little lime	277	283	Sand
141	143	Sand	283	285	Clay & little lime
143	150	Clay & little sand	285	291	Sand (dourse) & little cemented sand
150	165	Clay & little lime	291	298	Clay & little lime
165	166	Clay	298	300	Shale
166	180	Sand & 2' clay			
180	182	Sand			
182	186	Clay			
186	195	Sand			

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) 3-7-94 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 223 This Water Well Record was completed on (mo/day/yr) 3-18-94 under the business name of Dunham Drilling Company by (signature) Karen Dunham

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.

00028'

OFFICE USE ONLY T R E/W SEC. ¼ ¼ ¼