WATER WELL RECORD Form WWC-5 KSA 82a-1212 ID No. _____

1 LOCATION OF WATER WELL:	Fraction	Section Number	Township Number	Range Number
County: Gray	NW ¼ NW ¼ SE ¼	16	T 29 S	R 30 E/W

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

1/4 mile South 1½ mile East 1/2 mile South & 1/2 mile west of Copeland

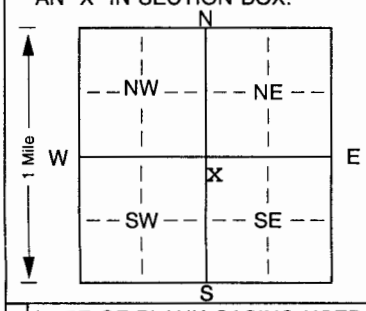
2 WATER WELL OWNER: Jeff Unruh & Kelly Unruh

RR#, St. Address, Box # : P.O. Box 125

City, State, ZIP Code : Copeland, Kansas 67837

Board of Agriculture, Division of Water Resources Application Number: 7800

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



4 DEPTH OF COMPLETED WELL. . . 390 . . . . . ft. ELEVATION: . . . . . .

Depth(s) Groundwater Encountered 1. . . . . 345 . . . . . ft. 2. . . . . 372 . . . . . ft. 3. . . . . 387 . . . . . ft.

WELL'S STATIC WATER LEVEL . . 215 . . . . ft. below land surface measured on mo/day/yr . . . . 11-23-02 . . . . . .

Pump test data: Well water was . . 350 . . . . . ft. after . . . . . 2 . . . . . hours pumping . . . 400 . . . gpm

Est. Yield . . 400 . . . gpm: Well water was . . . . . ft. after . . . . . hours pumping . . . . . gpm

Bore Hole Diameter. . . . 27 . . . . in. to . . . 390 . . . . . 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 Domestic (lawn & garden) 10 Monitoring well . . . . . .

Was a chemical/bacteriological sample submitted to Department? Yes . . . . . No. X . . . ; If yes, mo/day/yrs sample was submitted Water Well Disinfected? Yes X No

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 . . . . . 16 . . . . in. to . . . . 350 . . . . ft., Dia . . . . . in. to . . . . . ft., Dia . . . . . in. to . . . . . ft.

Casing height above land surface. . 12 . . . . . in., weight . . . . . lbs./ft. Wall thickness or gauge No. . . . . 26SDR . . . . . .

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 6 Wire wrapped 9 Drilled holes
2 Louvered shutter 4 Key punched 7 Torch cut 10 Other (specify) . . . . . ft.

SCREEN-PERFORATED INTERVALS: From. . . . . 350 . . . . . ft. to . . . . 370 . . . . . ft., From . . . . . 370 . . . . . ft. to. . . . . 390 . . . . . ft.
From. . . . . ft. to . . . . . ft., From . . . . . ft. to. . . . . ft.

GRAVEL PACK INTERVALS: From. . . . . 20 . . . . . ft. to . . . . . 390 . . . . . 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. . 20-18 . . Bentonite . . . . ft., From . . . 18 . . . . . ft. to. . . . 0 . . . . . ft., Grout . . . . . ft. to. . . . . ft.

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

Direction from well? How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	30	Topsoil & clay	210	222	Sand
30	60	Clay & little lime	222	225	Clay & little cemented sand
60	75	Clay & sand & little cem. sand	225	231	Sand
75	90	Clay & sand & little lime	231	233	Clay & little cemented sand
90	105	Sand & clay	233	234	Cemented sand (very hard)
105	120	Sand & little cemented sand	234	240	Clay & little lime
120	132	Sand & gravel & little cemented sand	240	255	Clay & little lime (blu
132	135	Clay & lime	255	276	Clay (blue)
135	138	Clay	276	280	Fine sand & clay (blue)
138	139	Lime (very hard)	280	333	Clay (blue)
139	150	Sand & little clay	333	336	Sand (blue)
150	171	Clay & little lime	336	345	Clay (blue)
171	195	Sand	345	350	Sand
195	210	Sand (coarse)	350	358	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) . . . 11-23-02 . . . . . and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's Licence No. . . . . 223 . . . . . This Water Well Record was completed on (mo/day/yr) . . . . 11-25-02 . . . . . under the business name of Dunham Drilling Inc. 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 785-296-5524. Send one to WATER WELL OWNER and retain one for your records. Fee of $5.00 for each constructed well.

358	364	Sand
364	372	Clay
372	375	Sand
375	385	Sand (little fine)
385	387	Clay
387	389	Sand
389	410	Clay