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

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

County: Gray

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

1½ East 1 Mile South 1/2 Mile West

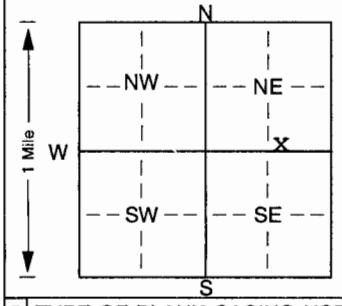
2 WATER WELL OWNER: Jeff & Kelly Unruh

RR#, St. Address, Box # : 3051 A Road

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. 415 ft. ELEVATION:

Depth(s) Groundwater Encountered 1. 330 ft. 2. 375 ft. 3. 407 ft.

WELL'S STATIC WATER LEVEL 240 ft. below land surface measured on mo/day/yr 2-12-03

Pump test data: Well water was ____ ft. after ____ hours pumping ____ gpm

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

Bore Hole Diameter 27 in. to 415 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 Domestic (lawn & garden) 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/yrs 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 & bolted Clamped Welded Threaded

Blank casing diameter 16 in. to 355 ft., Dia ____ in. to ____ ft., Dia ____ in. to ____ ft.

Casing height above land surface 1.2 in., weight ____ lbs./ft. Wall thickness or gauge No. SDR26

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 415 ft. to 395 PVC ft., From 375 ft. to 355 PVC ft.

From 375 ft. to 395 wire wrap ft., From ____ ft. to ____ ft.

GRAVEL PACK INTERVALS: From 20 ft. to 415 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 18-20 ft. Bentonite ft., From 0 ft. to 18 ft., From Grout 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? How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	30	Topsoil & clay	127	135	Clay & little sand
30	45	Clay & little lime	135	139	Sand
45	55	Clay little lime & sand	139	150	Clay
55	58	Clay & lime (little hard)	150	165	Clay (turn to blue)
58	60	Sand	165	168	Clay & little lime
60	69	Sand & little cemented sand	168	195	Sand
69	75	Clay & little lime (hard)	195	210	Sand & 3' clay
75	90	Clay & little lime (hard)	210	225	Sand & 3' clay
90	105	Sand, cemented sand & clay	225	227	Lime (hard) & clay
105	107	Cemented sand (hard) & sand	227	315	Sand
107	110	Cemented sand (very hard)	315	330	Sand & 4' clay (streaks)
110	112	Cemented sand (hard) & sand	330	360	Sand
112	120	Sand & little cemented sand	360	375	Sand & 1' clay
120	127	Sand	375	405	Sand 405-407 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) 2-12-03 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) 2-17-03 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.

405	407	Clay
407	410	Sand
410	420	Clay & little lime