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

1 LOCATION OF WATER WELL County: Gray | Fraction: SE ¼ SW ¼ SE ¼ | Section Number: 21 | Township Number: T 29 S | Range Number: R 30 E (W)

Distance and direction from nearest town or city? 3/4 mile east, 3 mile south 3/4 mile ease of Copeland

Street address of well if located within city?

2 WATER WELL OWNER: Philip W. Smith
RR#, St. Address, Box # : Route 2 Box 81
City, State, ZIP Code : Copeland, Kansas 67837

Board of Agriculture, Division of Water Resources Application Number: 36657

3 DEPTH OF COMPLETED WELL 360 ft. Bore Hole Diameter 26 in. to 360 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 Observation well 11 Injection well 12 Other (Specify below)

Well's static water level 196 ft. below land surface measured on December month 19 day 1987 year

Pump Test Data: Well water was 208' ft. after 4 hours pumping 1000 gpm
Est. Yield 1200 gpm: Well water was ft. after hours pumping gpm

4 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 Clamped Welded X Threaded

Blank casing dia 16 in. to 280 ft., Dia in. to ft., Dia in. to ft.
Casing height above land surface 12 in., weight lbs./ft. Wall thickness or gauge No 219

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) ~~Bridge slot~~ 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) Bridge Slot 11 None (open hole)

Screen-Perforation Dia 16 in. to 330 ft., Dia in. to ft., Dia in to ft.
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 10 ft. to 360 ft., From ft. to ft.
From ft. to ft., From ft. to ft.

5 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other
Grouted Intervals: From 1 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 Lateral lines 4 Cess pool 5 Seepage pit 6 Pit privy 7 Sewage lagoon 8 Feed yard 9 Livestock pens 10 Fuel storage 11 Fertilizer storage 12 Insecticide storage 13 Watertight sewer lines 14 Abandoned water well 15 Oil well/Gas well 16 Other (specify below) none

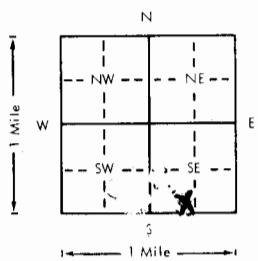
Direction from well How many feet ? Water Well Disinfected? Yes X No

Was a chemical/bacteriological sample submitted to Department? Yes No X If yes, date sample was submitted month day year: Pump Installed? Yes No

If Yes: Pump Manufacturer's name Layne - Bowler Model No. Used HP 150 Volts
Depth of Pump Intake 330 ft. Pumps Capacity rated at 1200 gal./min.
Type of pump: 1 Submersible 2 Turbine 3 Jet 4 Centrifugal 5 Reciprocating 6 Other

6 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on December month 28 day 1987 year, 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 January month 27 day 1988 year under the business name of Dunham Drilling Company by (signature) Karen Dunham

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



ELEVATION:

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	15	Topsoil & Clay	180	210	Sand
15	45	Clay & little lime	210	225	Sand & 1' clay
45	60	Clay(grey) Little lime	225	229	Sand
60	75	Clay & little lime (hard)	229	237	Clay
75	90	Clay, and sand & little lime	237	297	Sand
90	105	Sand & clay	297	298	Lime (very hard)
105	120	Sand, clay & 1' lime	298	300	Clay
120	135	Sand & clay	300	306	Clay (blue)
135	165	Sand	306	307	Lime9 (Very hard)
165	174	Clay & 3' sand	307	312	Clay (blue)
174	180	Sand & 1' clay	312	358	Sand
			358	360	Clay

Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft. 4. ft. (Use a second sheet if needed)

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, Division of Environment, Water Well Contractors, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY T R E/W SEC ¼ ¼ ¼