WATER WELL RECORD — Form WWC-5

Division of Water Resources; App. No.

1 LOCATION OF WATER WELL: County: Marshal | Fraction: SW ¼ SE ¼ SE ¼ | Section Number: 9 | Township Number: T 1 S | Range Number: R 6 E W

Distance and direction from nearest town or city street address of well if located within city? 5miles N 2miles E of Bremen

Global Positioning Systems (decimal degrees, min. of 4 digits)
Latitude: N 39.973572
Longitude: W 96.754982
Elevation: 1276
Datum:
Data Collection Method: Hand Held

2 WATER WELL OWNER: Elda A. Friedrichs
RR#, St. Address, Box # : 367 3rd rd
City, State, ZIP Code : Bremen, KS 66412

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

N / W / E / S — NW, NE, SW, SE (X in SE)

4 DEPTH OF COMPLETED WELL 140 ft.

Depth(s) Groundwater Encountered (1) 87 ft. (2) 96 ft. (3) — ft.
WELL'S STATIC WATER LEVEL 42 ft. below land surface measured on mo/day/yr 1-29-09
Pump test data: Well water was — ft. after — hours pumping — gpm
Est. Yield 35 gpm: Well water was — ft. after — hours pumping — gpm

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 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 85 ft., Diameter ..... in. to ..... ft., Diameter ..... in. to ..... ft.
Casing height above land surface 24 in., Weight 2.82 lbs./ft. Wall thickness or guage No. .258

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

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

SCREEN-PERFORATED INTERVALS: From 85 ft. to 90 .032 ft., From ..... ft. to ..... ft.
From 90 ft. to 100 .050 ft., From ..... ft. to ..... ft.
GRAVEL PACK INTERVALS: From 25 ft. to 140 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 1 ft. to 25 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) 13 Insecticide Storage 16 Other (specify below)
2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 14 Abandoned water well
3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer Storage 15 Oil well/gas well .....
Direction from well? S E How many feet? 100 FT

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	3	Topsoil	69	71	Tan shale
3	18	brown Clay	71	82	red shale
18	41	brown Clay with gravel	82	91	Limestone-loose tan- shale streaks
41	43	red shale	91	96	grey shale
43	49	Tan shale - with red streaks	96	98	Limestone-loose tan
49	51	blue-grey shale	98	103	grey shale
51	53	red shale	103	105	red shale
53	56	grey shale	105	107	grey shale
56	67	red shale	107	111	gyp
67	69	Tan shale limestone	111	140	grey 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) 1-29-09 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 182 This Water Well Record was completed on (mo/day/year) 1-30-09 under the business name of Strader Drilling Co. Inc by (signature) Jim Strader

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, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5522. Send one to WATER WELL OWNER and retain one for your records. Fee of $5.00 for each constructed well. Visit us at http://www.kdheks.gov/waterwell/index.html.

KSA 82a-1212