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

1 LOCATION OF WATER WELL:

County: Sumner | Fraction: SE ¼ SW ¼ NE ¼ | Section Number: 17 | Township Number: T 32 S | Range Number: R 4 E (W)

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

100' North of Garfield St. & 77' West of Sumpter St, Argonia, Kansas

HWST Job No.: 74-49/4060.02

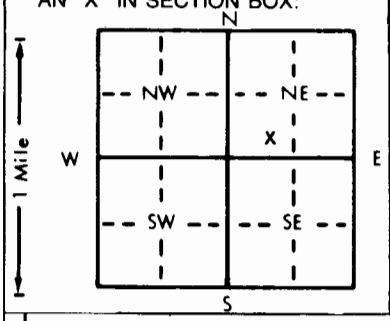
2 WATER WELL OWNER: Botkin Grain Company Inc.

RR#, St. Address, Box # : 313 North Argonia

City, State, ZIP Code : Argonia, Kansas 67004

Board of Agriculture, Division of Water Resources Application Number:

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



4 DEPTH OF COMPLETED WELL 15.0 ft. ELEVATION: n/a

Depth(s) Groundwater Encountered 1. 6.0 ft. 2. ft. 3. ft.

WELL'S STATIC WATER LEVEL 3.41 ft. below land surface measured on mo/day/yr 3/12/90

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

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

Bore Hole Diameter 6½ in. to 15.0 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 MW-5 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 No X

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 Clamped Welded Threaded X

Blank casing diameter 2 in. to 5.0 ft., Dia in. to ft., Dia in. to ft.

Casing height above land surface flush in., weight lbs./ft. Wall thickness or gauge No. Sch 40

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 5.0 ft. to 15.0 ft., From ft. to ft.

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

GRAVEL PACK INTERVALS: From 3.5 ft. to 15.0 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 volclay grout

Grout Intervals: From 0.0 ft. to 3.5 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? South How many feet? 30.0

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0.0	5.0	SANDY CLAY: mottled very dark brown and brown.			
5.0	8.0	FINE WELL SORTED SAND: tan.			
8.0	15.0	NINNESCAH SHALE FORMATION:			

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) 3/5/90 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 471 This Water Well Record was completed on (mo/day/yr) 3/9/90 under the business name of HWS Technologies Inc. by (signature) [signature]

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 66620-7320. Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY T R E/W SEC. ¼ ¼ ¼