

WATER WELL RECORD

Form WWC-5

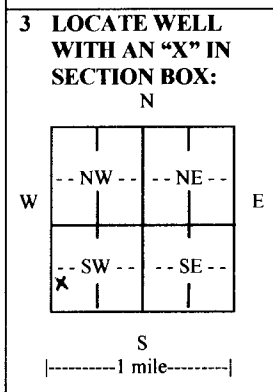
Division of Water Resources App. No.

Blank box for application number

1 LOCATION OF WATER WELL: County: Graham, Fraction NW 1/4 SW 1/4 NW 1/4 SW 1/4, Section Number 8, Township No. T 7 S, Range Number R 23

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: 6 miles NW of Hill City, KS. Global Positioning System (GPS) information: Latitude: 39.27.21.8, Longitude: 99.55.8.9

2 WATER WELL OWNER: City of Hill City, RR#, Street Address, Box #: 205 North Pomerov, City, State, ZIP Code: Hill City, KS 67642. Collection Method: GPS unit (Make/Model: Garmin)



4 DEPTH OF COMPLETED WELL 200 ft. Depth(s) Groundwater Encountered (1) 120 ft. (2) ft. (3) ft. WELL'S STATIC WATER LEVEL 120 ft. below land surface measured on mo/day/yr. 1/24/11. Pump test data: Well water was 151 ft. after 24 hours pumping 300 gpm. EST. YIELD 300 gpm. Well water was ft. after hours pumping gpm. Bore Hole Diameter 32 in. to 200 ft., and in. to ft. WELL WATER TO BE USED AS: Public water supply, Geothermal, Injection well, Domestic, Feedlot, Oil field water supply, Dewatering, Other (Specify below), Irrigation, Industrial, Domestic-lawn & garden, Monitoring well. Was a chemical/bacteriological sample submitted to Department? Yes No. If yes, mo/day/yr sample was submitted. Water well disinfected? Yes No.

5 TYPE OF CASING USED: Steel, PVC, Other. CASING JOINTS: Glued, Clamped, Welded, Threaded. Casing diameter .16 in. to .163 in. ft., Diameter .16 in. to 200 ft., Diameter in. to ft. Casing height above land surface 0 in., Weight 62.58 lbs./ft., Wall thickness or gauge No. 375. TYPE OF SCREEN OR PERFORATION MATERIAL: Steel, Stainless Steel, PVC, Brass, Galvanized Steel, None used (open hole), Other (Specify). SCREEN OR PERFORATION OPENINGS ARE: Continuous slot, Mill slot, Gauze wrapped, Torch cut, Drilled holes, None (open hole), Louvered shutter, Key punched, Wire wrapped, Saw cut, Other (specify). SCREEN-PERFORATED INTERVALS: From 163 ft. to 183 ft., From ft. to ft. GRAVEL PACK INTERVALS: From 148 ft. to 200 ft., From ft. to ft.

6 GROUT MATERIAL: Neat cement, Cement grout, Bentonite, Other. Grout Intervals: From C-0 ft. to C-24 ft., From B-24 ft. to B-148 ft., From ft. to ft. What is the nearest source of possible contamination: Septic tank, Lateral lines, Pit privy, Livestock pens, Insecticide storage, Other (specify below), Sewer lines, Cesspool, Sewage lagoon, Fuel storage, Abandoned water well, Watertight sewer lines, Seepage pit, Feedyard, Fertilizer storage, Oil well/gas well. Direction from well Distance from well Over 1,000 Feet.

Table with 6 columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Row 1: FROM, TO, See Attached, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS.

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo/day/year) 1/18/11 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 433. This Water Well Record was completed on (mo/day/year) 3/11/11 under the business name of Sargent Drilling Co. by (signature) [Signature]

INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks and check the correct answers. Send three copies (white, blue, pink) 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 copy to WATER WELL OWNER and retain one for your records. Include fee of \$5.00 for each constructed well. Visit us at http://www.kdheks.gov/waterwell/index.html.

Sargent Drilling Co.

**INDUSTRIAL ENGINEERING
COMPLETE MUNICIPAL AND INDUSTRIAL
PUMPS AND WELL SERVICE**

PO Box 627
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Broken Bow, Nebraska
68822

Phone (308) 872-5125
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**TEST WELL LOG
CITY OF HILL CITY, KS
TEST HOLE - WEST
JUNE 30, 2009**

N 39° 27' 21.8" – W 099° 55' 08.9"

0	3	Topsoil
3	15	Clay
15	23	Coarse Sand
23	40	Clay
40	53	Clay, Sand Seams
53	64	Sand, Sandstone
64	80	Sandy Clay, Sand, Sandstone Seams
80	100	Sandy Clay, Medium Sand Seams
100	114	Sandy Clay
114	136	Coarse Sand, Fine Gravel
136	143	Clay
143	145	Coarse Sand
145	147	Clay
147	160	Fine Gravel
160	180	Medium Gravel
180	183	Fine Gravel
183	200	Sandy Clay, Medium Sand Seams
200	205	Coarse Sand
205	220	Ochre, Shale

Total Depth – 183 Feet

0	153	8" Plain
153	183	8" Screen
0	133	Holeplug
133	183	Gravel