

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

1 LOCATION OF WATER WELL: County: Jackson	Fraction NW ¼ SW ¼ SE ¼ SW ¼	Section Number 3	Township No. T 7 S	Range Number R 15 <input checked="" type="checkbox"/> E <input type="checkbox"/> W
Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here <input checked="" type="checkbox"/> Ken's Korner 115 East 5th Street Holton, Kansas 66436		Global Positioning System (GPS) information: Latitude: .39.46434..... (in decimal degrees) Longitude: 95.73364..... (in decimal degrees) Elevation: 1078.76..... Datum: <input type="checkbox"/> WGS 84, <input checked="" type="checkbox"/> NAD 83, <input type="checkbox"/> NAD 27 Collection Method: <input type="checkbox"/> GPS unit (Make/Model:) <input type="checkbox"/> Digital Map/Photo, <input type="checkbox"/> Topographic Map, <input checked="" type="checkbox"/> Land Survey Est. Accuracy: <input checked="" type="checkbox"/> <3 m, <input type="checkbox"/> 3-5 m, <input type="checkbox"/> 5-15 m, <input type="checkbox"/> >15 m		
2 WATER WELL OWNER: Ken's Korner RR#, Street Address, Box #: 115 East 5th Street City, State, ZIP Code : Holton, KS 66436				

3 LOCATE WELL WITH AN "X" IN SECTION BOX: N W E -- NW -- -- NE -- -- SW -- -- SE -- X S -----1 mile-----	4 DEPTH OF COMPLETED WELL 35..... ft. Depth(s) Groundwater Encountered (1) 10..... ft. (2) 14..... ft. (3) 28..... ft. WELL'S STATIC WATER LEVEL <u>2-1-13</u> 7.79 ft. below land surface measured on mo/day/yr. 2-1-13..... Pump test data: Well water was N/A..... ft. after N/A..... hours pumping N/A..... gpm EST. YIELD N/A..... gpm. Well water was N/A..... ft. after N/A..... hours pumping N/A..... gpm Bore Hole Diameter 10 5/8..... in. to .36..... ft., and N/A..... in. to N/A..... ft. WELL WATER TO BE USED AS: <input type="checkbox"/> Public water supply <input type="checkbox"/> Geothermal <input type="checkbox"/> Injection well <input type="checkbox"/> Domestic <input type="checkbox"/> Feedlot <input type="checkbox"/> Oil field water supply <input type="checkbox"/> Dewatering <input type="checkbox"/> Other (Specify below) <input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input type="checkbox"/> Domestic-lawn & garden <input checked="" type="checkbox"/> Monitoring well MW-1R Was a chemical/bacteriological sample submitted to Department? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, mo/day/yr sample was submitted N/A..... Water well disinfected? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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5 TYPE OF CASING USED: Steel PVC Other

CASING JOINTS: Glued Clamped Welded Threaded
Casing diameter 4..... in. to 16 2/3..... ft., Diameter N/A..... in. to N/A..... ft., Diameter N/A..... in. to N/A..... ft.
Casing height above land surface 0..... in., Weight N/A..... lbs./ft., Wall thickness or gauge No. Schedule 40.....

TYPE OF SCREEN OR PERFORATION MATERIAL:
 Steel Stainless Steel PVC Other (Specify)
 Brass Galvanized Steel None used (open hole)

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 20..... ft. to 35..... ft., From N/A..... ft. to N/A..... ft.
From N/A..... ft. to N/A..... ft., From N/A..... ft. to N/A..... ft.

GRAVEL PACK INTERVALS: From 17..... ft. to 35..... ft., From N/A..... ft. to N/A..... ft.
From N/A..... ft. to N/A..... ft., From N/A..... ft. to N/A..... ft.

6 GROUT MATERIAL: Neat cement Cement grout Bentonite Other Concrete 0-2'.....

Grout Intervals: From 2..... ft. to 17..... ft., From N/A..... ft. to N/A..... ft., From N/A..... ft. to N/A..... 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 Well within old UST pit..... Distance from well 0-feet.....

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	0.5	Asphalt	13	14	mottled grey/brown, sandy SILT, wet
0.5	3	dark brown, silty CLAY, moist, medium plastic.	14	18.5	clear, brown, SAND, wet, fine sub-rounded, quartz
3	9	red-brown, sandy SILT, moist, trace plasticity, medium	18.5	22	grey SAND, moist fine to medium sub-rounded quartz
9	10	grey, silty SAND, moist, fine grained, angular, quartz	22	26	clear, brown SAND, moist, med grain sub-rounded quartz
10	13	mottled, grey/brown, silty CLAY, moist to wet, medium plastic, medium stiff	26	28	ornge/brn sand, moist fine quartz
			28	35	grey sand, wet med to coarse quartz.

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) 1/22/2013..... and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 759..... This Water Well Record was completed on (mo/day/year) 2/16/2013..... under the business name of RAZEK Environmental, LLC..... by (signature) *Mark J. Rzek*

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 785-296-5524. 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>.

MAR 11 2008



Kathleen Sebelius, Governor
Roderick L. Bremby, Secretary

DEPARTMENT OF HEALTH
AND ENVIRONMENT

www.kdheks.gov

Division of Environment

March 4, 2008

Terranext
Meredith Pearce
13202 West 98th Street
Lenexa, Kansas 66215

Re: Waiver request for flush mount monitoring wells for **Ken's Korner, Holton, Kansas**. Located in the SW 1/4 of the SW 1/4 of the SW 1/4 of the SW 1/4 of Section 3, Township 7 South, Range 15 East, Jackson County, Kansas.

Dear Ms. Pearce:

In accordance with Kansas Administrative Regulations (K.A.R.) 28-30-9, appealing regulations as stated in Article 30, your request for an exception to **K.A.R. 28-30-6(b)(1),(c) and (e)** for authorization of 20 geotechnical wells to be constructed less than 12 inches above the **finished ground level** and less than 20 feet of grout if ground water encountered **less than 20' below the surface**, at the above-mentioned site is hereby granted subject to the following stipulations:

1. Monitoring wells included in this request will be grouted from a maximum of two feet below a ground surface to within one foot above the screened section.
2. The wellhead will be encased in an approved water resistant/proof manhole. The manhole will be encased in cement, which is to be domed or sloped to allow drainage away from the manhole, (refer to the attached diagram page 2).

BUREAU OF WATER – GEOLOGY SECTION
CURTIS STATE OFFICE BUILDING, 1000 SW JACKSON ST., STE. 420, TOPEKA, KS 66612-1367

Voice 785-296-5524 Fax 785-296-5509 Web <http://kdheks.gov/geo>

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3. The casing of the monitoring well will be sealed with an approved watertight lock-able monitoring well caps (refer to the attached diagram).
4. A copy of this KDHE letter, approving your request for waiver of **K.A.R. 28-30-6 (b)(1),(c) and (e)**, will be sent to KDHE attached to the water well record (WWC-5 Form) of the first well drilled under the granted waiver.
5. Upon completion of the project, the wells covered by the waiver shall be plugged in accordance with **K.A.R. 28-30-7 (d)**.

The decision to grant this waiver is based almost entirely on the data provided in your request. This waiver is to cover only the **20** wells mentioned and reportedly will be drilled by **Pratt Well Service**. Kansas Water Well Contractor License **Number 665**. This waiver will become null and void if any of the information submitted in the request is found to be false or if the wells are not constructed in strict conformity to Kansas rules and regulations and the above mentioned, stipulations. Please contact Don Taylor, (785) 296-5522, if you have any questions or concerns pertaining to this matter.

Sincerely,



Don Taylor
Environmental Technician
Bureau of Water
Geology Section

DT:jf

cc: Harper
North East District Office

MONITORING WELL DESIGN ADDITIONAL INSTRUCTIONS

Flush-Mount Well Head Completion:

K.A.R. 28-30-6(e) does not allow well casing to be terminated less than one foot above finished ground surface. Because state trust fund site investigations are often conducted in areas where completing monitoring well heads above grade is not practical, consideration must be given to completing flush-mount monitoring well heads.

If monitoring wells must be completed with a flush-mount well head design, a waiver of K.A.R. 28-30-6(e) must be requested in writing. The procedures for requesting a waiver of this regulation are described as follows:

1. Prior to the monitoring well installation, the written request must be submitted to Mr. Don Taylor at the address indicated below.
2. The request must contain the following information:
 - a. Facility name and street address;
 - b. Legal description of the property where the wells are proposed to be located;
1/4 1/4 1/4 Sec. _____ Town. _____ Range _____
 - c. Number of wells to be installed with flush-mount well heads;
 - d. Reason(s) why the regulation should be waived;
 - e. Approximate depth to groundwater in the local area;
 - f. The general geology or lithologies expected to be encountered in drilling; and
 - g. Specifications and/or diagrams of the vault proposed to be installed including the manufacturer's name and any other descriptive information such as a manufacturer's trade sheet.
3. Wait for approval of the waiver request before completing monitoring wells.
4. When waivers are approved and monitoring wells are installed with a flush-mount well head design, the well head completion must be indicated accordingly in the lithologic section of the WWC-5 water well record form. The name of the KDHE contact person that approved the waiver must also be provided in the lithologic section of the WWC-5 form.
5. Kansas licensed water well contractor and number.

Any waiver of regulations applies only to the wells and information indicated in the written request. A verbal request for waiver of regulations may be approved on any additional wells needed for the same area or site. The verbal request must be directed to Mr. Don Taylor.

Monitoring Well Grouting Requirements:

K.A.R. 28-30-6, part (b) requires that constructed or reconstructed wells be sealed by grouting the annular space between the casing and the well bore from ground level to a minimum of 20 feet or to a minimum of five feet into the first clay layer, whichever is greater. Part (c) of the same regulation specifies if groundwater is encountered at a depth less than the minimum grouting requirements, the grouting requirement may be modified to meet local conditions if approved by the department.

If modifications to the grouting requirements are necessary solely because of shallow groundwater, a waiver of the regulations is not needed; however, the reason for modifying the grouting requirements must be indicated accordingly on the WWC-5 water well record form. In situations where grouting modifications are required for reasons other than shallow groundwater, a waive of K.A.R. 28-30-6(b) must be obtained following the same procedures as described for flush-mount well heads above.

Submit requests for waivers and direct any questions on well design regulations to:

Mr. Don Taylor
Kansas Department of Health & Environment
Bureau of Water - Geology Section
1000 S.W. Jackson Street, Suite #420
Topeka, Kansas 66612-1367
Phone: (785) 296-5522

