

WATER WELL RECORD

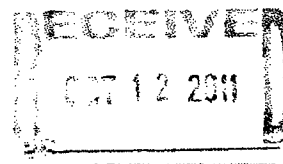
Form WWC-5

Division of Water Resources App. No.

1 LOCATION OF WATER WELL: County: Sedgwick		Fraction SE ¼ NE ¼ NE ¼ NE ¼	Section Number 12 13	Township No. T 27 S	Range Number R 1 ☐ E ☒ W																																				
Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☐ . Former Amoco #7402 3935 West 13th Street, Wichita, KS 67203			Global Positioning System (GPS) information: Latitude: 37.71372 (in decimal degrees) Longitude: 97.39406 (in decimal degrees) Elevation: 1314.02 Datum: ☒ WGS 84, ☐ NAD 83, ☐ NAD 27 Collection Method: ☐ GPS unit (Make/Model: _____) ☐ Digital Map/Photo, ☐ Topographic Map, ☒ Land Survey Est. Accuracy: ☒ <3 m, ☐ 3-5 m, ☐ 5-15 m, ☐ >15 m																																						
2 WATER WELL OWNER: Amoco Oil Company RR#, Street Address, Box #: 1701 Summit Avenue City, State, ZIP Code : Plano, TX 75074																																									
3 LOCATE WELL WITH AN "X" IN SECTION BOX: N <table border="1" style="width:100%; text-align: center; border-collapse: collapse;"> <tr> <td style="width:25%;">NW</td> <td style="width:25%;">NE</td> <td style="width:25%;">SW</td> <td style="width:25%;">SE</td> </tr> <tr> <td></td> <td>X</td> <td></td> <td></td> </tr> </table> S -----1 mile-----		NW	NE	SW	SE		X			4 DEPTH OF COMPLETED WELL 23 ft. Depth(s) Groundwater Encountered (1) 18 ft. (2) N/A ft. (3) N/A ft. WELL'S STATIC WATER LEVEL 18.25 ft. below land surface measured on mo/day/yr. 1/7/2013 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 8.25 in. to 23 ft., and N/A in. to N/A 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 MW-11R Was a chemical/bacteriological sample submitted to Department? ☐ Yes ☒ No If yes, mo/day/yr sample was submitted N/A Water well disinfected? ☐ Yes ☒ No																															
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5 TYPE OF CASING USED: ☐ Steel ☒ PVC ☐ Other _____ CASING JOINTS: ☐ Glued ☐ Clamped ☐ Welded ☒ Threaded Casing diameter 2 in. to 13 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 13 ft. to 23 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 11 ft. to 23 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 0-2 Concrete Grout Intervals: From 2 ft. to 11 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 Northeast Distance from well <150 feet																																									
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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) 1/7/2013 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) 2/4/2013 under the business name of RAZEK Environmental, LLC 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 785-296-5524. 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 .																																									



October 7, 2011



Aquaterra Environmental Solutions, Inc.
Leah A. Meyer
7311 West 130th Street, Suite 100
Overland Park, Kansas 66213

Re: Waiver request for flush mount monitoring wells for the former **Amoco #7402, 13th & West Street, Wichita, Kansas**. Located in the NW ¼ of the NW ¼ of the NW ¼ of the NW ¼ of Section 13, Township 27 South, Range 1 West, Sedgwick County, Kansas.

Dear Ms. Meyer:

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) & (e)** for authorization of 3 monitoring wells to be constructed less than 12 inches above the **finished ground level and with less than the required amount of grout** should you encounter groundwater at depths less than 20 feet below ground level, 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 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).
3. The casing of the monitoring well will be sealed with an approved watertight lockable 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) & (e)**, will be sent to KDHE attached to the water well record (WWC-5 Form) of the first well drilled under the granted waiver.

October 7, 2011

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5. **All wells drilled under the approval of this waiver request shall have both, GPS coordinates and 10-acre tract legal descriptions placed on their specific water well record (WWC-5 Form) and submitted to KDHE.**
6. 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 **3** wells mentioned and reportedly will be drilled by Razek Environmental, LLC. Kansas Water Well Contractor License **Number 759**. 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 Richard Harper, (785) 296-3565, if you have any questions or concerns pertaining to this matter.

Sincerely,

A handwritten signature in black ink that reads "Richard Harper". The signature is fluid and cursive, with the first name "Richard" being more prominent than the last name "Harper".

Richard Harper, L.G.
Chief, Water Well Unit
Bureau of Water
Geology Section

RH:

cc: Cochran
KDHE-South Central District Office