

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

1 LOCATION OF WATER WELL: County: Johnson		Fraction ¼ NE ¼ SW ¼ SE ¼	Section Number 20	Township No. T 13 S	Range Number R 22 ☒ 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 Sunflower Army Ammunition Plant 3542 S DeSoto, Kansas 66018 WEST 103rd			Global Positioning System (GPS) information: Latitude: North 221091.685 (in decimal degrees) Longitude: East 2169300.467 (in decimal degrees) Elevation: Datum: ☐ WGS 84, ☐ NAD 83, ☐ NAD 27 Collection Method: ☒ GPS unit (Make/Model: TRIMBLE RANGER) ☐ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey Est. Accuracy: ☒ <3 m, ☐ 3-5 m, ☐ 5-15 m, ☐ >15 m																																																								
2 WATER WELL OWNER: SUNFLOWER REDEVELOPMENT LLC RR#, Street Address, Box #: 7991 SHAFFER PARKWAY, SUITE 100 City, State, ZIP Code: LITTLETON, CO 80127																																																											
3 LOCATE WELL WITH AN "X" IN SECTION BOX: N W E S ----- mile -----		4 DEPTH OF COMPLETED WELL 17.5 ft. Depth(s) Groundwater Encountered (1) 16.9 ft. (2) N/A ft. (3) N/A ft. WELL'S STATIC WATER LEVEL 16.9 ft. below land surface measured on mo/day/yr. 7-23-10 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 17.5 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 AO5MW001 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																																																									
5 TYPE OF CASING USED: ☐ Steel ☒ PVC ☐ Other CASING JOINTS: ☐ Glued ☐ Clamped ☐ Welded ☒ Threaded Casing diameter 2 in. to 12.5 in., Diameter N/A in. to N/A ft., Diameter N/A in. to N/A ft. Casing height above land surface 2.80 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 12.5 ft. to 17.5 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 10 ft. to 17.5 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 3 ft of bentonite above screen Grout Intervals: From 1 ft. to 7 ft., From 7 ft. to 10 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 <u>150'</u> Distance from well <u>Southeast</u>																																																											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>FROM</th> <th>TO</th> <th>LITHOLOGIC LOG</th> <th>FROM</th> <th>TO</th> <th>LITHO. LOG (cont.) or PLUGGING INTERVALS</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>1</td> <td>Dry, med. dense, gray, gravelly silty sand fill</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>16.8</td> <td>Firm, moist, low plastic, yellowish brown clay</td> <td></td> <td></td> <td></td> </tr> <tr> <td>16.8</td> <td>17</td> <td>Yellowish brown gravelly clay</td> <td></td> <td></td> <td></td> </tr> <tr> <td>17</td> <td>17.5</td> <td>Bedrock refusal on limestone</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS	0	1	Dry, med. dense, gray, gravelly silty sand fill				1	16.8	Firm, moist, low plastic, yellowish brown clay				16.8	17	Yellowish brown gravelly clay				17	17.5	Bedrock refusal on limestone																											
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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) 7-12-10 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) 7-24-10 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 785-296-5522. 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 .																																																											