

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

046-MW002

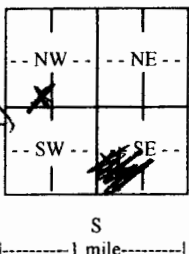
1 LOCATION OF WATER WELL: County: Johnson		Fraction SE ¼ SW ¼ NW ¼ ¼	Section Number 17	Township No. T 13 S	Range Number R 22 ☒ E ☐ W
Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☐ 35425 W. 103rd St. Desoto, KS 66018			Global Positioning System (GPS) information: Latitude: 38.9207..... (in decimal degrees) Longitude: 94.998..... (in decimal degrees) Elevation: 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: 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 -----1 mile-----		4 DEPTH OF COMPLETED WELL 11.3'..... ft. Depth(s) Groundwater Encountered (1)..... ft. (2)..... ft. (3)..... ft. WELL'S STATIC WATER LEVEL 11.10..... ft. below land surface measured on mo/day/yr. June/09..... 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 3.25"..... in. to 8.5'..... 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 1"..... in. to 3.5'..... ft., Diameter..... in. to..... ft., Diameter..... in. to..... ft. Casing height above land surface 36"..... in., Weight..... lbs./ft., Wall thickness or gauge No. Sch. 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 4.5'..... ft. to 8.5'..... ft., From..... ft. to..... ft. GRAVEL PACK INTERVALS: From 3.5'..... ft. to 8.5'..... ft., From..... ft. to..... ft. From..... ft. to..... ft., From..... ft. to..... ft.					
6 GROUT MATERIAL: ☐ Neat cement ☐ Cement grout ☒ Bentonite ☐ Other Grout Intervals: From 0..... ft. to 3.5'..... ft., From..... ft. to..... 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..... FROM TO LITHOLOGIC LOG FROM TO LITHO. LOG (cont.) or PLUGGING INTERVALS See Boring Logs					
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) 05/08/09..... and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 606..... This Water Well Record was completed on (mo/day/year) 8-3-09..... under the business name of PSA Environmental..... by (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 .					

FIGURE 2-3

HTW DRILLING LOG						HOLE NO. <u>002</u>	
1. COMPANY NAME <u>TETRA TECH</u>			2. DRILLING SUBCONTRACTOR <u>PSA ENVIRONMENTAL</u>			SHEET OF SHEETS <u>2</u>	
3. PROJECT <u>SHAAP</u>			4. LOCATION <u>SWMU 46</u>				
5. NAME OF DRILLER <u>AARON SENSE</u>			6. MANUFACTURER'S DESIGNATION OF DRILL <u>GEORGE 6620 DT</u>				
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT			8. HOLE LOCATION <u>002 SWMU 46</u>				
			9. SURFACE ELEVATION				
			10. DATE STARTED <u>5/8/2009</u>				
11. DATE COMPLETED <u>5/8/2009</u>			12. OVERBURDEN THICKNESS <u>3.0'</u>				
13. DEPTH DRILLED INTO ROCK <u>0.7'</u>			14. DEPTH GROUNDWATER ENCOUNTERED <u>AT 5.3' & 7.5' AT TIME OF DRILLING</u>				
15. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED			16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED				
17. TOTAL DEPTH OF HOLE <u>8.7'</u>			18. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)				
19. GEOTECHNICAL SAMPLES		DISTURBED		UNDISTURBED		19. TOTAL NUMBER OF CORE BOXES	
20. SAMPLES FOR CHEMICAL ANALYSIS		VOC		METALS		OTHER (SPECIFY)	
21. DISPOSITION OF HOLE		BACKFILLED		MONITORING WELL		21. SIGNATURE OF INSPECTOR	
				☒		<u>[Signature]</u>	
ELEV.	DEPTH	DESCRIPTION OF MATERIALS		FIELD SCREENING RESULTS	GEOTECH SAMPLE OR JRE BOX NO.	ANALYTICAL SAMPLE NO.	BLOW COUNTS
		ASPHALT					
		VERY STIFF, MOIST, VERY DARK GRAY					
1		C10 YR 3/1) LOW PLASTIC SILTY CLAY		0.0 PPM	52		
					60		
2				0.0 PPM			
3		VERY STIFF, MOIST, LOW PLASTIC, DARK YELLOWISH BROWN		0.0 PPM			
		C10 YR 4/1) SILTY CLAY WITH LIMESTONE					
4		FRAGILE & FINE TO MEDIUM SANDS		0.0 PPM			
5							

FIGURE 2-3 (Continued)

HTW DRILLING LOG							HOLE NO. 002
PROJECT SFAP		INSPECTION WATER DETECTED					SHEET 2
ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX NO. e	ANALYTICAL SAMPLE NO. f	BLOW COUNTS g	REMARKS h
	5	W/TH WET ZONE @ 5.3' TO 6.0'	0.0 PPM				
	6		0.0 PPM	4/4 4/4			
	7		0.5 PPM				
	8	WATER DETECTED @ 7.5'					
	8	UNDESIGNED					Sample is collected at 6.0- 8.0'
	9	BOTTOM OF BORING 8.7					
	10						
	11						
	12						
	13						
	14						