

1 LOCATION OF WATER WELL: County: Johnson		Fraction NW ¼ NE ¼ NE ¼ ¼		Section Number 08		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: 38.9407 (in decimal degrees) Longitude: 94.9875 (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 12.4' ft. Depth(s) Groundwater Encountered (1) _____ ft. (2) _____ ft. (3) _____ ft. WELL'S STATIC WATER LEVEL 11.56' 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 10.0' 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 5.0' 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 5.0' ft. to 10.0' ft., From _____ ft. to _____ ft. From _____ ft. to _____ ft., From _____ ft. to _____ ft. GRAVEL PACK INTERVALS: From 3.0' ft. to 10.0' 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 3.0' 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) 05/06/09 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

A19MW001

HTW DRILLING LOG										HOLE NO. A19MTDZ010-01
1. COMPANY NAME TETRA TECH				2. DRILLING SUBCONTRACTOR PSA ENVIRONMENTAL				SHEET 2 OF 2 SHEETS		
3. PROJECT SUNFLOWER AAP				4. LOCATION AOC 19						
5. NAME OF DRILLER ARON SAGE				6. MANUFACTURER'S DESIGNATION OF DRILL GRODPORE 6620 DR						
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT				8. HOLE LOCATION A19MTDZ010-01 / AOC 19						
				9. SITE ELEVATION ATTACHED 001						
				10. DATE STARTED 5/6/2009		11. DATE COMPLETED 5/6/2009				
12. OVERBURDEN THICKNESS 10.0'				15. DEPTH GROUNDWATER ENCOUNTERED 7.65' AT TIME OF DRILLING						
13. DEPTH DRILLED INTO ROCK 0.0				18. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED						
14. TOTAL DEPTH OF HOLE 10.1'				17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)						
18. GEOTECHNICAL SAMPLES NA		DISTURBED		UNDISTURBED		19. TOTAL NUMBER OF CORE BOXES				
20. SAMPLES FOR CHEMICAL ANALYSIS NA		VOC NA		METALS NA		OTHER (SPECIFY)		OTHER (SPECIFY)		21. TOTAL CORE REC %
22. DISPOSITION OF HOLE		BACKFILLED		MONITORING WELL ✓		OTHER (SPECIFY)		23. SIGNATURE OF INSPECTOR K. J. O'Connell		
ELEV.	DEPTH	DESCRIPTION OF MATERIALS		FIELD SCREENING RESULTS	GEOTECH SAMPLE OR JAE BOX NO.	ANALYTICAL SAMPLE NO.	BLOW COUNTS	REMARKS		
1	0.0	FIRM, MOIST, DARK BROWN (LO YR 2/3) LOW PLASTIC, SILTY CLAY		0.0 PPM	60					
2	0.0	STIFF, MOIST, LOW PLASTIC YELLOW-BROWN (LO YR 5/6) SILTY CLAY		0.0 PPM	60					
3	0.0			0.0 PPM						
4	0.0	WITH SOME MANGANESE NODULES		0.0 PPM						
5	0.0	WITH TRACE OF FINE TO MEDIUM SAND		0.0						

FIGURE 2-3 (Continued)

A-19MW001

HTW DRILLING LOG						HOLE NO. A-19MW001
PROJECT San Joaquin AAP			INSPECTION Kurt J. DODD		SHEET 2 of 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
	5		0.0 ppm			
	6		0.0 ppm			
	7		0.0 ppm	60 60		
	8	BECOMING FIRM	0.0 ppm			
	9		0.0 ppm			
	10		0.0 ppm			
	10.5	REACHING BOTTOM OF BORING	ppm			
	11					
	12					
	13					
	14					

WATER DETECTED
AT 7.60
AT TIME OF
DRILLING

SAMPLE
COLLECTED
FROM 8.5'
TO 10.0'