

# WATER WELL RECORD Form WWC-5

Division of Water  
Resources App. No.

Well ID

57mw3

 Original Record  Correction  Change in Well Use

<b>1 LOCATION OF WATER WELL:</b> County: <b>Johnson</b>	Fraction $\frac{1}{4}$ $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$	Section Number <b>7</b>	Township Number <b>T 13 S</b>	Range Number <b>R 22 E</b>
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<b>2 WELL OWNER:</b> Last Name: <b>Sunflower Army Ammunition Plant</b> First: _____ Business: _____ Address: <b>35425 W. 103rd Street</b> City: <b>DeSoto</b> State: <b>KS</b> ZIP: <b>66018</b>	Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): If at owner's address, check here: <input checked="" type="checkbox"/>
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<b>3 LOCATE WELL WITH "X" IN SECTION BOX:</b> N W     E                   S ----- 1 mile ----- A 4x4 grid with an 'X' in the SE quadrant.	<b>4 DEPTH OF COMPLETED WELL:</b> ..... <b>21.5</b> ..... ft. Depth(s) Groundwater Encountered: 1) ..... <b>20</b> ..... ft. 2) ..... <b>N/A</b> ..... ft. 3) ..... <b>N/A</b> ..... ft., or 4) <input type="checkbox"/> Dry Well WELL'S STATIC WATER LEVEL: ..... <b>20.02</b> ..... ft. <input checked="" type="checkbox"/> below land surface, measured on (mo-day-yr) ..... <b>11/7/19</b> ..... <input type="checkbox"/> above land surface, measured on (mo-day-yr) ..... Pump test data: Well water was ..... <b>N/A</b> ..... ft. after ..... <b>N/A</b> ..... hours pumping ..... <b>N/A</b> ..... gpm Well water was ..... <b>N/A</b> ..... ft. after ..... <b>N/A</b> ..... hours pumping ..... <b>N/A</b> ..... gpm Estimated Yield: ..... <b>N/A</b> ..... gpm Bore Hole Diameter: ..... <b>8.25</b> ..... in. to ..... <b>21.5</b> ..... ft. and ..... in. to ..... ft.	<b>5 Latitude:</b> ..... <b>38.9350442</b> ..... (decimal degrees) <b>Longitude:</b> ..... <b>-95.0115854</b> ..... (decimal degrees) <b>Horizontal Datum:</b> <input type="checkbox"/> WGS 84 <input checked="" type="checkbox"/> NAD 83 <input type="checkbox"/> NAD 27 <b>Source for Latitude/Longitude:</b> <input type="checkbox"/> GPS (unit make/model: .....) (WAAS enabled? <input type="checkbox"/> Yes <input type="checkbox"/> No) <input checked="" type="checkbox"/> Land Survey <input type="checkbox"/> Topographic Map <input type="checkbox"/> Online Mapper: .....
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<b>7 WELL WATER TO BE USED AS:</b> 1. Domestic: <input type="checkbox"/> Household <input type="checkbox"/> Lawn & Garden <input type="checkbox"/> Livestock <input type="checkbox"/> Irrigation <input type="checkbox"/> Feedlot <input type="checkbox"/> Industrial	5. <input type="checkbox"/> Public Water Supply: well ID .....	10. <input type="checkbox"/> Oil Field Water Supply: lease .....
2. <input type="checkbox"/> Livestock	6. <input type="checkbox"/> Dewatering: how many wells? .....	11. Test Hole: well ID .....
3. <input type="checkbox"/> Feedlot	7. <input type="checkbox"/> Aquifer Recharge: well ID .....	<input type="checkbox"/> Cased <input type="checkbox"/> Uncased <input type="checkbox"/> Geotechnical
4. <input type="checkbox"/> Industrial	8. <input checked="" type="checkbox"/> Monitoring: well ID ..... <b>057MW03</b> .....	12. Geothermal: how many bores? .....
	9. Environmental Remediation: well ID .....	a) Closed Loop <input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical
	<input type="checkbox"/> Air Sparge <input type="checkbox"/> Soil Vapor Extraction	b) Open Loop <input type="checkbox"/> Surface Discharge <input type="checkbox"/> Inj. of Water
	<input type="checkbox"/> Recovery <input type="checkbox"/> Injection	13. <input type="checkbox"/> Other (specify): .....

Was a chemical/bacteriological sample submitted to KDHE?  Yes  No If yes, date sample was submitted: .....

Water well disinfected?  Yes  No

<b>8 TYPE OF CASING USED:</b> <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other .....	CASING JOINTS: <input type="checkbox"/> Glued <input type="checkbox"/> Clamped <input type="checkbox"/> Welded <input checked="" type="checkbox"/> Threaded
Casing diameter ..... <b>2</b> ..... in. to ..... <b>11.5</b> ..... ft., Diameter ..... <b>N/A</b> ..... in. to ..... <b>N/A</b> ..... ft., Diameter ..... <b>N/A</b> ..... in. to ..... <b>N/A</b> ..... ft.	Casing height above land surface ..... <b>30</b> ..... in. Weight ..... <b>N/A</b> ..... lbs./ft. Wall thickness or gauge No. <b>Sch. 40</b> .....
TYPE OF SCREEN OR PERFORATION MATERIAL: <input type="checkbox"/> Steel <input type="checkbox"/> Stainless Steel <input type="checkbox"/> Fiberglass <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other (Specify) .....	
<input type="checkbox"/> Brass <input type="checkbox"/> Galvanized Steel <input type="checkbox"/> Concrete tile <input type="checkbox"/> None used (open hole)	
SCREEN OR PERFORATION OPENINGS ARE: <input type="checkbox"/> Continuous Slot <input checked="" type="checkbox"/> Mill Slot <input type="checkbox"/> Gauze Wrapped <input type="checkbox"/> Torch Cut <input type="checkbox"/> Drilled Holes <input type="checkbox"/> Other (Specify) .....	
<input type="checkbox"/> Louvered Shutter <input type="checkbox"/> Key Punched <input type="checkbox"/> Wire Wrapped <input type="checkbox"/> Saw Cut <input type="checkbox"/> None (Open Hole)	
SCREEN-PERFORATED INTERVALS: From ..... <b>11.5</b> ..... ft. to ..... <b>21.5</b> ..... ft., From ..... <b>N/A</b> ..... ft. to ..... <b>N/A</b> ..... ft., From ..... <b>N/A</b> ..... ft. to ..... <b>N/A</b> ..... ft.	
GRAVEL PACK INTERVALS: From ..... <b>8</b> ..... ft. to ..... <b>21.5</b> ..... ft., From ..... <b>N/A</b> ..... ft. to ..... <b>N/A</b> ..... ft., From ..... <b>N/A</b> ..... ft. to ..... <b>N/A</b> ..... ft.	

<b>9 GROUT MATERIAL:</b> <input type="checkbox"/> Neat cement <input type="checkbox"/> Cement grout <input checked="" type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Other <b>Concrete 0 to 2</b> .....
Grout Intervals: From ..... <b>2</b> ..... ft. to ..... <b>8</b> ..... ft., From ..... <b>N/A</b> ..... ft. to ..... <b>N/A</b> ..... ft., From ..... <b>N/A</b> ..... ft. to ..... <b>N/A</b> ..... ft.
Nearest source of possible contamination: <input type="checkbox"/> Septic Tank <input type="checkbox"/> Lateral Lines <input type="checkbox"/> Pit Privy <input type="checkbox"/> Livestock Pens <input type="checkbox"/> Insecticide Storage
<input type="checkbox"/> Sewer Lines <input type="checkbox"/> Cess Pool <input type="checkbox"/> Sewage Lagoon <input type="checkbox"/> Fuel Storage <input type="checkbox"/> Abandoned Water Well
<input type="checkbox"/> Watertight Sewer Lines <input type="checkbox"/> Seepage Pit <input type="checkbox"/> Feedyard <input type="checkbox"/> Fertilizer Storage <input type="checkbox"/> Oil Well/Gas Well
<input type="checkbox"/> Other (Specify) .....
Direction from well? ..... Distance from well? .....

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
		Detailed boring logs attached			

Notes:

<b>11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION:</b> This water well was <input checked="" type="checkbox"/> constructed, <input type="checkbox"/> reconstructed, or <input type="checkbox"/> plugged under my jurisdiction and was completed on (mo-day-year) <b>11-5-2019</b> ..... and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. <b>759</b> ..... This Water Well Record was completed on (mo-day-year) <b>1-18-2020</b> ..... under the business name of <b>RAZEK Environmental, LLC</b> ..... Signature _____
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Mail 1 white copy along with a fee of \$5.00 for each constructed well to: Kansas Department of Health and Environment, Bureau of Water, GWTS Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Mail one to Water Well Owner and retain one for your records. Telephone 785-296-5524.

Johnson

7-13-22E

HTW DRILLING LOG						HOLE NO. 057MW003			
1. COMPANY NAME <i>Burns &amp; McConnell</i>			2. DRILLING SUBCONTRACTOR <i>Razek Environmental LLC</i>			SHEET 1 OF SHEETS			
3. PROJECT <i>SFAAP</i>			4. LOCATION <i>SWMU 57</i>						
5. NAME OF DRILLER <i>Tony Poulter</i>			6. MANUFACTURER'S DESIGNATION OF DRILL						
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT		8. HOLE LOCATION		9. SURFACE ELEVATION					
		10. DATE STARTED <i>11/4/19</i>				11. DATE COMPLETED <i>11/4/19</i>			
		12. OVERBURDEN THICKNESS <i>21.5'</i>		15. DEPTH GROUNDWATER ENCOUNTERED		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED <i>27.64, ~15 hrs</i>			
		13. DEPTH DRILLED INTO ROCK <i>0</i>		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)					
14. TOTAL DEPTH OF HOLE <i>21.5'</i>		18. GEOTECHNICAL SAMPLES <i>N/A</i>		19. TOTAL NUMBER OF CORE BOXES					
20. SAMPLES FOR CHEMICAL ANALYSIS <i>N/A</i>		DISTURBED	UNDISTURBED	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY %
22. DISPOSITION OF HOLE		BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR				

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
	1	<i>SILT with clay, light gray (10yr 7/1) medium plasticity, damp, medium consistency, ferrous iron nodules</i>					<i>1340 Begin drilling</i>
	2						<i>B<sub>2</sub>-LEL=0% O<sub>2</sub>=20.9% CO=0.0</i>
	3						
	4	<i>SILT with clay, <sup>sand</sup> light brownish gray (10 yr 6/2), damp, medium plasticity, medium consistency, ferrous iron nodules</i>					
	5						<i>1340</i>

Johnson

7-13-22E

# HTW DRILLING LOG

HOLE NO.  
057 MW 003

PROJECT

INSPECTOR

SHEET 1  
OF SHEETS

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
	6	Continued: silt with clay + sand, light brownish gray (10yr s/o), damp, medium plasticity, medium consistency, ferrous iron nodules					
	7	inc. in sand content					
	8						
	9						B2: LEL=0.7% O <sub>2</sub> =20.9% CO=0.0
	10						1344
	11						
	12						
	13						
	14						

PROJECT

HOLE NO.

Johnson

7-13-22E

HTW DRILLING LOG							HOLE NO. 0571W003
PROJECT			INSPECTOR				SHEET 1 OF SHEETS
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
	15	Continued: silt with clay + sand, light brownish gray (10yr 0/4), damp, medium plasticity, medium consistency, ferrous iron mottling					1348
	16						
	17	fine sand with trace silt + clay, light gray (10 yr 7/1), less ferrous iron discoloration, damp, stiff consistency, non plastic					
	18						
	19						
	20						B <sub>2</sub> = LEL = 0.7% O <sub>2</sub> = 20.9% CO = 0.0
	21	Shale, dark yellowish orange (10 yr 0/8), moist, medium plasticity, medium consistency, black/dark discoloration, highly weathered					1400
	22	Bottom of boring - refusal @ 21 ft bgs					
	23						

PROJECT

HOLE NO.