

WATER WELL RECORD Form WWC-5

Original Record Correction Change in Well Use

Division of Water Resources App. No.

Well ID 57 MW 2

1 LOCATION OF WATER WELL: County: Johnson Fraction 1/4 SW 1/4 NE 1/4 Section Number 7 Township Number T 13 S Range Number R 22 E W

2 WELL OWNER: Last Name: Sunflower Army Ammunition Plant First: Street or Rural Address where well is located

3 LOCATE WELL WITH 'X' IN SECTION BOX: N W E S 1 mile. 4 DEPTH OF COMPLETED WELL: 23.0 ft. 5 Latitude: 38.9345891 Longitude: -95.0115690

7 WELL WATER TO BE USED AS: 1. Domestic 2. Irrigation 3. Feedlot 4. Industrial 5. Public Water Supply 6. Dewatering 7. Aquifer Recharge 8. Monitoring 9. Environmental Remediation 10. Oil Field Water Supply 11. Test Hole 12. Geothermal 13. Other

Was a chemical/bacteriological sample submitted to KDHE? Water well disinfected?

8 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. Casing height above land surface 30 in. Weight N/A lbs./ft. Wall thickness or gauge No. Sch. 40

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other Concrete 0 to 2 Grout Intervals: From 2 ft. to 9.5 ft. From N/A ft. to N/A ft. From N/A ft. to N/A ft.

Nearest source of possible contamination: Septic Tank Lateral Lines Pit Privy Livestock Pens Insecticide Storage Sewer Lines Cess Pool Sewage Lagoon Fuel Storage Abandoned Water Well Watertight Sewer Lines Seepage Pit Feedyard Fertilizer Storage Oil Well/Gas Well

Table with 5 columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Includes 'Detailed boring logs attached' and 'Notes' section.

11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo-day-year) 11-5-2019 and this record is true to the best of my knowledge and belief.

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.

HTW DRILLING LOG										HOLE NO. 057mwood		
1. COMPANY NAME <i>Burns &amp; McDonnell</i>					2. DRILLING SUBCONTRACTOR <i>Razek Environmental LLC</i>					SHEET 1 OF 3 SHEETS		
3. PROJECT <i>SFAAP</i>					4. LOCATION <i>swmv 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 <i>Hollow Stem Auger</i>					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>23'</i>					15. DEPTH GROUNDWATER ENCOUNTERED		
13. DEPTH DRILLED INTO ROCK <i>0</i>					16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED							
14. TOTAL DEPTH OF HOLE <i>23'</i>					17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)							
18. GEOTECHNICAL SAMPLES <i>N/A</i>			DISTURBED		UNDISTURBED			19. TOTAL NUMBER OF CORE BOXES				
20. SAMPLES FOR CHEMICAL ANALYSIS <i>N/A</i>			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 <i>Ryan Russell</i>			
					✓							
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, gray (10yr 5/1), damp, medium plasticity, medium consistency, ferrous iron nodules and dark discoloration</i>	0				<i>1533 start drilling</i>					
	2		0				<i>B2: LEL=0% O2=20.9% CO=0.0</i>					
	3											
	4											
	5		0				<i>1535</i>					

Johnson

7-13-22E

HTW DRILLING LOG							HOLE NO. 057MW002
PROJECT SWMW 57			INSPECTOR Ryan Russell				SHEET 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	Continuing: SILT with clay, gray (10yr 5/1) damp, medium plasticity, medium consistency, ferrous from modeling and dark discoloration Color change to gray (10yr 6/1)	0				
	7						
	8	Trace in sand content (< 35%)	0				
	9						
	10		0				B <sub>2</sub> = LEL = 0% O <sub>2</sub> = 20.9% CO = 0.0 1537
	11						
	12		0				
	13	silt and sand with trace clay					
	14		0				

HTW DRILLING LOG							HOLE NO.
PROJECT			INSPECTOR				SHEET 3 OF 3 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	Continuing: SILT with clay, gray (10 yr 5/1), damp, medium plasticity, medium consistency  ferrous iron mottling	0				1540
	16	SAND with trace clay & silt, light gray (10 yr 7/2), damp, nonplastic, soft					
	17		0				
	18						
	19	CLAY with trace silt, <sup>sand</sup> gray (10 yr 4/1), medium plastic, damp, stiff dark discoloration, ferrous iron mottling	0				B <sub>7</sub> = LEL = 0% O <sub>2</sub> = 20.9% CO = 0.0
	20						1547
	21	inc. sand content (~35% sand)	0				
	22						
	23	bottom ~3' is wet  Shale, dark yellowish orange (10 yr 4/6), moist, medium plasticity, medium consistency, highly weathered, dark discoloration	0				1555

Bottom of boring -  
residual @ 23' bgs  
noted

PROJECT

HOLE NO.