

WATER WELL RECORD (WWC-5)

KOLAR DOC ID _____ WELL ID _____
 Original Record Correction Change in Well Use

LOCATION OF WATER WELL

Latitude		Longitude		Section		Township		Range		E W	Fraction	¼	¼	¼
Datum		Elevation		County										

WATER WELL OWNER

Name	
Business	
Address	
Well location at owner's address	

WELL WATER USE

--

COMPLETION

Depth of completed well: _____ ft.
Depth(s) groundwater encountered: (1) _____ ft.; (2) _____ ft.; (3) _____ ft.; (4) dry well
Static water level in well: _____ ft. measured below land surface on (mm/dd/yy): _____ measured above land surface on (mm/dd/yy): _____
Estimated yield: _____ gpm
Water level was: _____ ft. after _____ hours pumping _____ gpm
Pump installed? Yes No
Water well disinfected? Yes No
Date disinfected (mm/dd/yy): _____
Aquifer, if known:

NEAREST SOURCE OF POTENTIAL CONTAMINATION

Source: _____
Distance from well: _____ Direction from well: _____
Source description: _____
Source: _____
Distance from well: _____ Direction from well: _____
Source description: _____
No potential source of contamination within 100 feet.

CONSTRUCTION

Borehole interval: from _____ to _____ ft.	Borehole diameter: _____ in.
from _____ to _____ ft.	_____ in.
Casing height above land surface: _____ in.	
If casing height is less than 12 in. has a variance been approved?* Yes No	
*variance not required for monitoring or environmental remediation wells	
Casing type: _____	
Blank casing interval: _____ ft. to _____ ft.	
Blank casing diameter: _____ in.	
Casing joints: _____	
Weight: _____ lbs/ft.	
Wall thickness or gauge no.: _____	
Blank casing interval: _____ ft. to _____ ft.	
Blank casing diameter: _____ in.	
Casing joints: _____	
Weight: _____ lbs/ft.	
Wall thickness or gauge no.: _____	
Grout interval: _____ ft. to _____ ft.	
Grout material: _____	
Grout interval: _____ ft. to _____ ft.	
Grout material: _____	
Screen / perforation material: _____	
Screen / perforation openings: _____	
Screen / perforation intervals: From _____ ft. to _____ ft.	
Slot size _____ unit _____	
From _____ ft. to _____ ft.	
Slot size _____ unit _____	
Gravel pack intervals: Gravel pack not used: Gravel size _____ in	
From _____ ft. to _____ ft.	
Gravel pack not used: Gravel size _____ in	
From _____ ft. to _____ ft.	

PERMIT & ID NUMBERS (AS REQUIRED)

DWR Application No.: _____
KDHE / EPA Project Code: _____
Site Name: _____
KDHE UIC Class V Form Completed: Yes No
County Permit: Yes No Permit ID: _____
Lease Name & Well #: _____
of boreholes: _____ # of dewatering wells: _____

LITHOLOGIC LOG

FROM	TO	LITHOLOGY INTERVALS

COMMENTS

--

CONTRACTOR'S OR LANDOWNERS CERTIFICATION

This water well was constructed reconstructed pursuant to the stated water well contractor's license and was completed on _____. I certify that this record is true to the best of my knowledge and belief. This water well record was completed on _____ under the business name of _____, Kansas Water Well Contractor's License No. _____ under the authority of the designated person as defined in K.A.R. 28-30-2(j) and signed and certified by the electronic signature of the designated person at its submittal: _____.

Send one copy to WATER WELL OWNER and retain one for your records. Fee of \$5.00 for each constructed well.

HTW DRILLING LOG

HOLE NO.
027MW025

1. COMPANY NAME Burns & McDonnell		2. DRILLING SUBCONTRACTOR RAZEK ENV., Inc.		SHEET 1 OF 3 SHEETS			
3. PROJECT SFAAP			4. LOCATION SWMU 27				
5. NAME OF DRILLER T. Poulter			6. MANUFACTURER'S DESIGNATION OF DRILL GeoProbe 7822 DT				
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT		2-inch MacroCore Sampler		8. HOLE LOCATION E: 2156840.88' N: 231281.40'			
		7.25 HSA					
		9. SURFACE ELEVATION 913.22'		10. DATE STARTED 9/26/24		11. DATE COMPLETED 9/26/24	
		12. OVERBURDEN THICKNESS 13.0 ft		15. DEPTH GROUNDWATER ENCOUNTERED 13.0 ft bgs			
13. DEPTH DRILLED INTO ROCK 1.5 ft		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED NA					
14. TOTAL DEPTH OF HOLE 14.5 ft		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY) NA					
18. GEOTECHNICAL SAMPLES NA		DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES NA			
20. SAMPLES FOR CHEMICAL ANALYSIS NA		VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY NA %
22. DISPOSITION OF HOLE		BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR S. Woodland 		
			X				

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	CLAY, with silt, CH, very dark grayish brown (10YR 3/2), damp, very stiff consistency, high plasticity.	BZ = 0.0 PID LEL = 0 O ₂ = 20.9 0.0	NA	NA	Recovery	Begin @ 0844
	2	CLAY, trace very fine sand, CH, dark grayish brown (10YR 4/2), damp, hard consistency, high plasticity, trace oxidation reddish brown (5YR 5/3).	0.0			4/5	
	3		0.0				
	4	grayish brown (10YR 5/2), moist, stiff consistency	0.0				

HTW DRILLING LOG

HOLE NO. 027MW025

PROJECT SFAAP - SWMU 27

INSPECTOR S. Woodland

SHEET 2 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
	5	CLAY, trace very fine sand, CH, grayish brown (10YR 5/2), moist, stiff consistency, high plasticity, trace oxidation reddish brown (5YR 5/3).	PID	NA	NA	Recovery	
			BZ = 0.0 LEL = 0 O ₂ = 20.9	0.0			0846
	6			0.0			
	7			0.0			
	8			0.0			5/5
	9		0.0				
	10		BZ = 0.0 LEL = 0 O ₂ = 20.9				0849
	11	with very fine sand, gray (10YR 5/1)					
	12	SAND with fines, SM, gray (10YR 5/1), very fine to fine sand, poorly graded, trace oxidation reddish brown (5YR 5/3)				4.5/4.5	

HTW DRILLING LOG

HOLE NO.
027MW025

PROJECT SFAAP - AOC 17

INSPECTOR S. Woodland

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
	13	SAND with fines, SM, gray (10YR 5/1), very fine to fine sand, poorly graded, trace oxidation reddish brown (5YR 5/3).	PID 0.0	NA	NA	Recovery	▽
	14	SHALE, medium light gray (N6), wet, trace mottle yellowish brown (10YR 5/4). moist				4.5/4.5	
	15	HSA Refusal @ 14.5 ft					DP Refusal @ 14.5 ft 0854 Begin HSA Drilling Construct Temporary Piezometer . 027BMPZ001
	16						
	17						
	18						
	19						
	20						

Monitoring Well Construction Diagram

Project Number: 138163	Monitoring Well ID: 027BMPZ001 / 027MW025
Project Name: SFAAP	Property Owner: SRL
Geologist: S. Woodland	Northing: 231281.40
Drilling Company: RAZEK Environmental	Easting: 2156840.88
Driller: T. Poulter	Survey Datum: Kansas State Plane North Zone / NAVD 1988

Drilling Method: HSA
Borehole Diameter: 7.25"

Elevations (amsl)	
Top of Casing (TOC)	915.46
Ground Surface (GS)	913.22
Reference Point (RP)	TOC

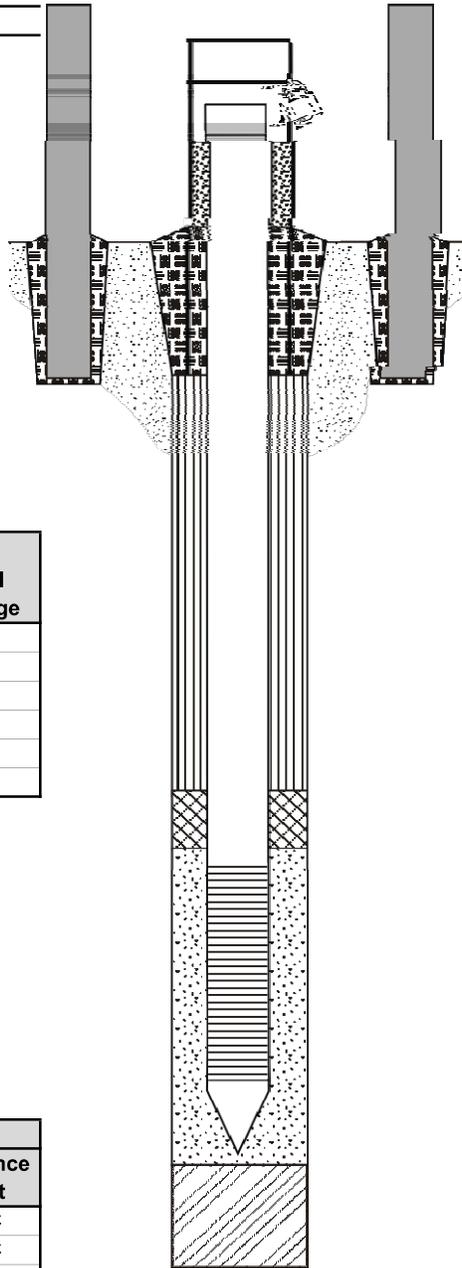
Dates	
Drilling/Installation Start	9/26/2024
Installation Complete	9/26/2024
Well Abandoned	NA
Development Start	NA
Development Complete	NA

Annular Material Measurements	Depth to Top from GS	Total Footage
Annular Seal		
Bentonite Seal	0	6.0
Secondary Filter Pack		
Filter Pack	6	8.5
Backfill		
Bottom of Borehole	14.5	NA

Casing Materials Measurements	Total Footage
Total Riser Installed	11.88
Total Riser Cutoff	0.00
Screen	5.00
Bottom Cap	0.10
Total Depth from TOC	16.98

Groundwater Levels		
Date	Depth	Reference Point
10/1/2024	NFW	TOC
3/25/2025	13.84	TOC

Comments: NA

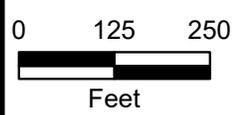


Cap Type:	J-Plug
Lock Keyed to:	
Protective Cover:	
Material:	Steel
Size:	4" x 4"
Length:	5 ft
Pea Gravel (Y/N):	N
Weep Hole (Y/N):	N
Guage Mark (Y/N):	Y
Bollards (# and type):	4 / Steel
Surface Pad:	
Dimensions:	2'x2'x1'
Material:	Concrete
Annular Seal:	
Type & Size:	NA
Manufacturer:	NA
Amount Used:	NA
Bentonite Seal:	
Type & Size:	3/8 Chips
Manufacturer:	PDS
Amount Used:	2 bags
Secondary Filter Pack:	
Type & Size:	NA
Manufacturer:	NA
Amount Used:	NA
Primary Filter Pack:	
Type & Size:	12/20 Whole Grain
Manufacturer:	Gillibrand Co. Inc.
Amount Used:	3 bags
Well Casing:	
Type:	PVC
Diameter:	2"
Sch. or Weight:	Sch. 40
Manufacturer:	EMI
Screen Type:	Factory Slotted
Screen Slot Size:	0.010"
Bottom Cap Type:	PVC
Centralizers (Y/N):	N
Material:	NA
Number:	NA
Depth(s):	NA
Backfill Material:	
Type & Size:	NA
Manufacturer:	NA
Amount Used:	NA

Path: Z:\Clients\IENS\USCOE1138163_SFAAP\2021RFIs\Studies\Geospatial\Docs\SFAAP_map.mxd



- Legend**
-  SWMU/AOC
 -  Road
 -  Monitoring Well



SWMU 27
Monitoring Well Location Map
Former Sunflower Army Ammunition Plant
DeSoto, Kansas