

**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**

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**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:	Borehole diameter:
from _____ to _____ ft.	_____ 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**

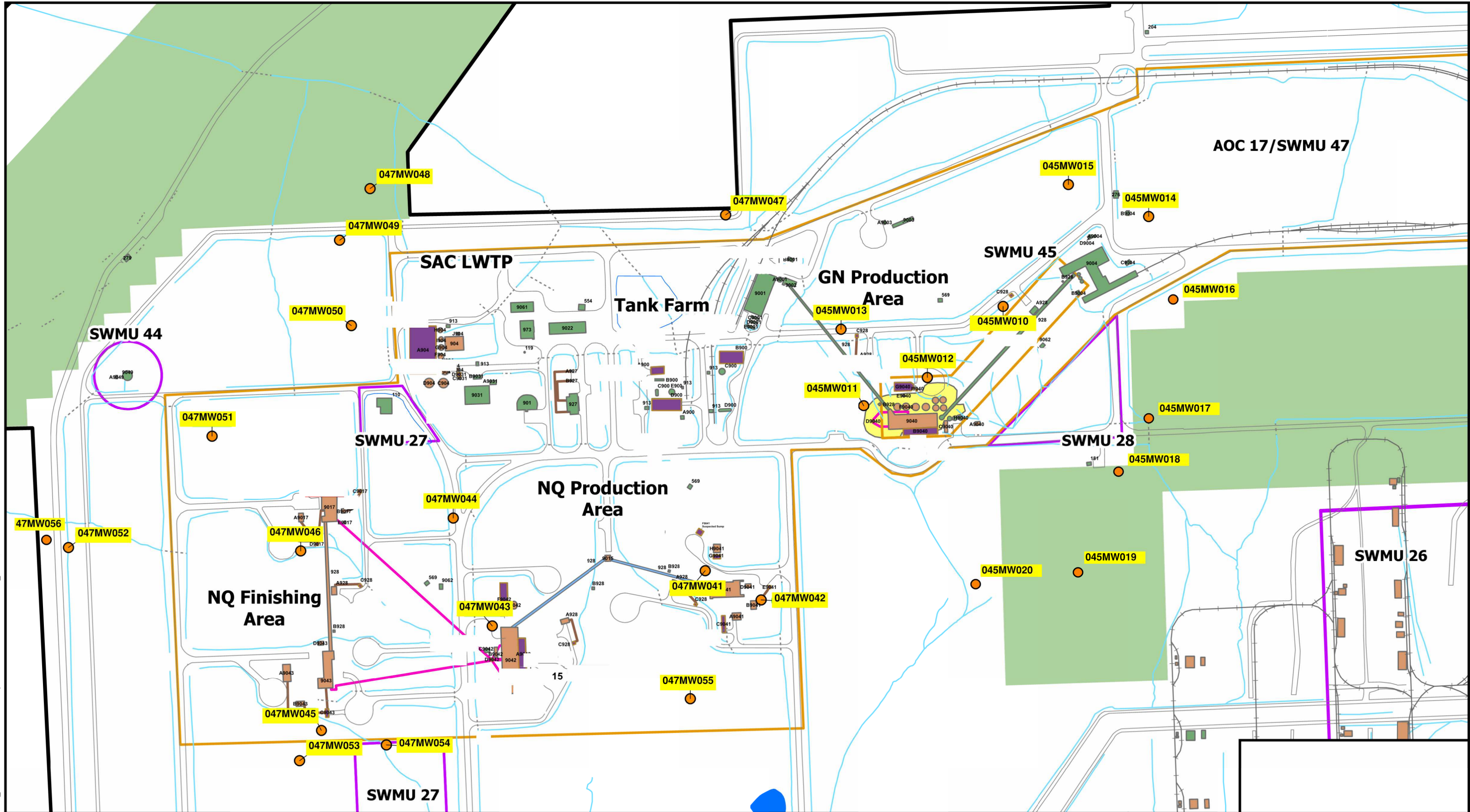
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**CONTRACTOR'S OR LANDOWNERS CERTIFICATION**

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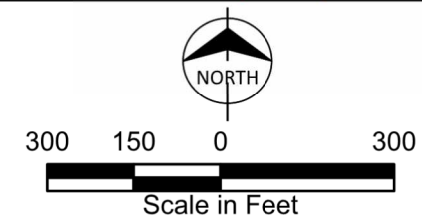
Send one copy to WATER WELL OWNER and retain one for your records. Fee of \$5.00 for each constructed well.

Path: Z:\Clients\IENS\USCOE\138163\_SFAAP\2021\RFI\Studies\Geospatial\DataFiles\ArcDocs\AOC17\_SWMU47\_rfi\airvire 4/30/2024



Legend

- Monitoring Well



Monitoring Well Locations

AOC 17 / SWMUs 45 & 47 RFI Work Plan  
Former Sunflower Army Ammunition Plant  
De Soto, Kansas

# HTW DRILLING LOG

HOLE NO.  
045MW010

1. COMPANY NAME Burns & McDonnell

2. DRILLING SUBCONTRACTOR RAZEK ENV., Inc.

SHEET 1  
OF 6 SHEETS

3. PROJECT SFAAP

4. LOCATION SWMU 45

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  
7.25 HSA

8. HOLE LOCATION E: 233505.1460 N: 2159050.4890

9. SURFACE ELEVATION 948.67 ft amsl

10. DATE STARTED 5/6/24

11. DATE COMPLETED 5/6/24

12. OVERBURDEN THICKNESS 41.0 ft

15. DEPTH GROUNDWATER ENCOUNTERED 31.0 ft

13. DEPTH DRILLED INTO ROCK NA

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED  
5/10/24 22.07 ft btoc

14. TOTAL DEPTH OF HOLE 41.0 ft

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY) 6/19/24 24.56 ft btoc

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

045MW010

A17BMPZ001

S. Woodland

*S. Woodland*

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
		CLAY, trace silt, CL, very dark grayish brown (10YR 3/2), moist, soft consistency, medium plasticity.	BZ = 0.0 PID LEL = 0 O <sub>2</sub> = 20.9 0.0	NA	NA	Recovery	Begin @ 1424
	1	CLAY, trace silt, CH, grayish brown (10YR 5/2), moist, very stiff consistency, high plasticity, trace oxidation reddish brown (5YR 5/3).	0.0				
	2		0.0				
	3		0.0				
	4		0.0				

# HTW DRILLING LOG

HOLE NO. 045MW010

PROJECT SFAAP - SWMU 45

INSPECTOR S. Woodland

SHEET 2  
OF 6 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	CLAY, trace silt, CH, grayish brown (10YR 5/2), moist, very stiff consistency, high plasticity, trace oxidation reddish brown (5YR 5/3).	BZ = 0.0 PID LEL = 0 O <sub>2</sub> = 20.9 0.0	NA	NA	Recovery	1429
	7		0.0			5/5	
	8		0.0				
	9		0.0				
	10		BZ = 0.0 LEL = 0 O <sub>2</sub> = 20.9 0.0				1429
	11		0.0				
	12		0.0			5/5	
	13		0.0				

PROJECT SFAAP - SWMU 45

HOLE NO. 045MW010

HTW DRILLING LOG							HOLE NO. 045MW010
PROJECT SFAAP - SWMU 45			INSPECTOR S. Woodland			SHEET 3 OF 6 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
	14	CLAY, trace silt, CH, grayish brown (10YR 5/2), moist, very stiff consistency, high plasticity, trace oxidation reddish brown (5YR 5/3).	PID  0.0	NA	NA	Recovery  5/5	
	15	CLAY, with fine sand, grayish brown (10YR 5/2), moist to wet, hard consistency, medium plasticity, trace oxidation reddish brown (5YR 5/3)	BZ = 0.0 LEL = 0 O <sub>2</sub> = 20.9 0.0				1435
	16		0.0				
	17		0.0			4/4	
	18		0.0				
	19						DP Refusal @ 19.0 ft
	20		BZ = 0.0 LEL = 0 O <sub>2</sub> = 20.9				1444 Begin HSA Drilling Log from HSA cuttings
	21					NA	1500

# HTW DRILLING LOG

HOLE NO. 045MW010

PROJECT SFAAP - SWMU 45

INSPECTOR S. Woodland

SHEET 4  
OF 6 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
	22	CLAY, with fine sand, grayish brown (10YR 5/2), moist to wet, hard consistency, medium plasticity, trace oxidation reddish brown (5YR 5/3)	BZ = 0.0 LEL = 0 O <sub>2</sub> = 20.9 PID	NA	NA	Recovery NA	
	23						
	24						
	25	CLAY, with fine to medium sand, gray (10YR 6/1), moist					1508
	26						
	27						
	28						
	29						

PROJECT SFAAP - SWMU 45

HOLE NO. 045MW010



# HTW DRILLING LOG

HOLE NO. 045MW010

PROJECT SFAAP - SWMU 45

INSPECTOR S. Woodland

SHEET 5  
OF 6 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
		CLAY, with fine to medium sand, gray (10YR 6/1), moist	BZ = 0.0 PID LEL = 0 O <sub>2</sub> = 20.9	NA	NA	Recovery	1515
	31	wet					▽
	32						
	33						
	34						
	35						1517
	36						
	37						
	38						

PROJECT SFAAP - SWMU 45

HOLE NO. 045MW010

# HTW DRILLING LOG

HOLE NO. 045MW010

PROJECT SFAAP - SWMU 45

INSPECTOR S. Woodland

SHEET 6 OF 6 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
	40	CLAY, with fine to medium sand, gray (10YR 6/1), moist	BZ = 0.0 PID LEL = 0 O <sub>2</sub> = 20.9	NA	NA	Recovery NA	1518
	41	HSA Refusal @ 41.0 ft					Construct Temporary Piezometer
	42						
	43						
	44						
	45						
	46						
	47						