

**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**

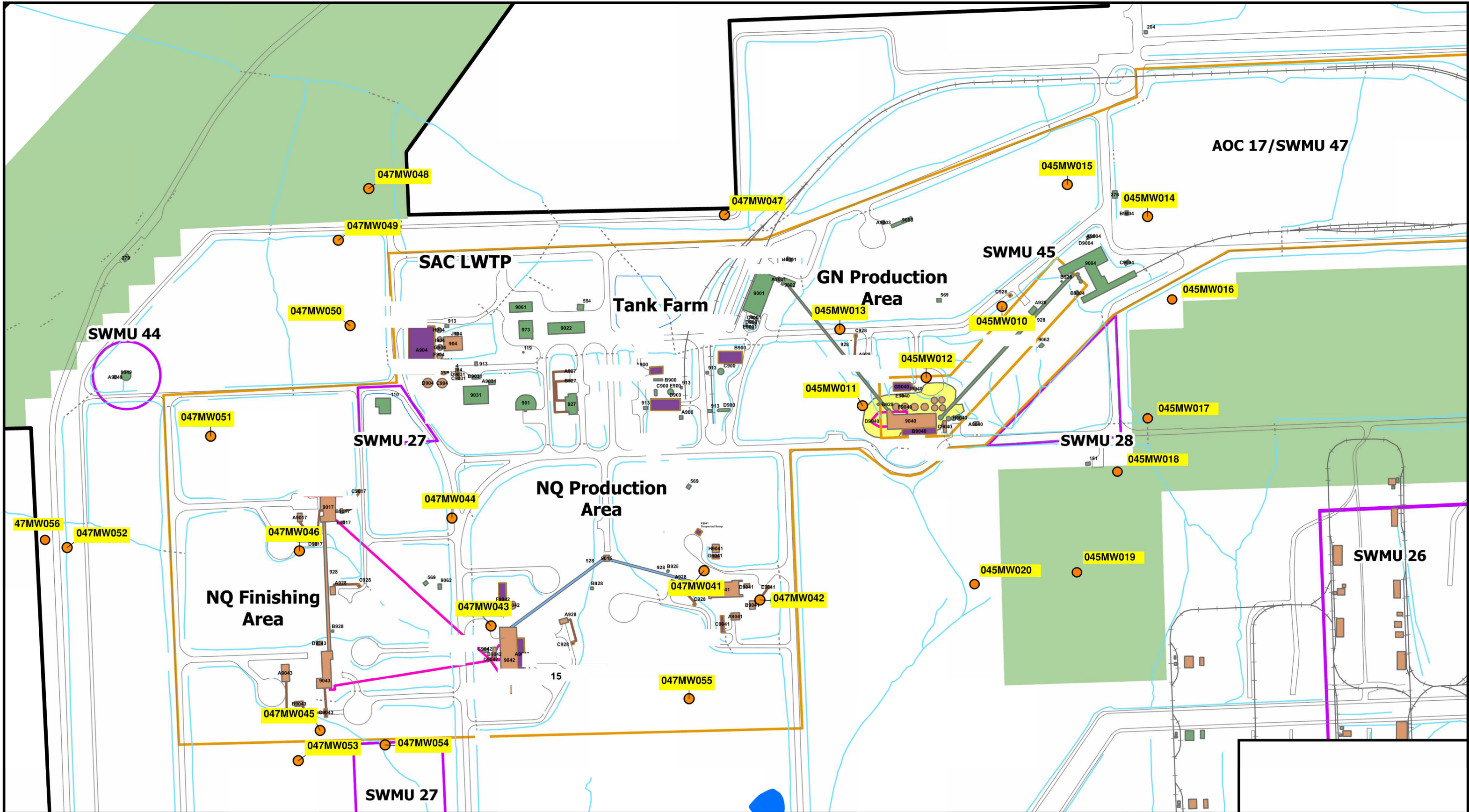
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**CONTRACTOR'S OR LANDOWNERS CERTIFICATION**

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\_SFAAP2021\RFI\Studies\Geospatial\DataFiles\ArcDocs\AOC17\_SWMU47\_rtf\relvire 4/30/2024



<p><b>Legend</b></p> <p>● Monitoring Well</p>	<p><b>Scale in Feet</b></p> <p>300 150 0 300</p> <p><b>Scale in Feet</b></p>	<p><b>Monitoring Well Locations</b></p> <p><b>AOC 17 / SWMUs 45 &amp; 47 RFI Work Plan</b></p> <p>Former Sunflower Army Ammunition Plant</p> <p>De Soto, Kansas</p>
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# HTW DRILLING LOG

HOLE NO.  
045MW018

1. COMPANY NAME Burns & McDonnell

2. DRILLING SUBCONTRACTOR RAZEK ENV., Inc.

SHEET 1  
OF 4 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: 2159505.0580 N: 232816.9780

9. SURFACE ELEVATION 936.82 ft amsl

10. DATE STARTED 10/28/24

11. DATE COMPLETED 10/28/24

12. OVERBURDEN THICKNESS 23.0 ft

15. DEPTH GROUNDWATER ENCOUNTERED 19.0 ft bgs

13. DEPTH DRILLED INTO ROCK 5.0 ft

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED  
10/28/24 13.5 ft btoc

14. TOTAL DEPTH OF HOLE 28.0 ft

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

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

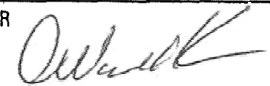
MONITORING WELL

OTHER (SPECIFY)

045MW018

23. SIGNATURE OF INSPECTOR

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
	1	SILT, with clay, ML, black (10YR 2/1), damp, stiff consistency, friable, trace plasticity.	BZ = 0.0 PID LEL = 0 O <sub>2</sub> = 20.9 0.0	NA	NA	Recovery	DP @ 1310 HSA @ 1337
	2	CLAY, trace silt, CH, dark gray (10YR 4/1), moist, very stiff consistency, high plasticity.	0.0			4/5	
	3		0.0				
	4	CLAY, trace very fine sand, CH, light gray (10YR 7/1), moist, very stiff consistency, high plasticity, trace oxidation reddish brown (5YR 5/3).	0.0				

HTW DRILLING LOG							HOLE NO. 045MW018	
PROJECT SFAAP - SWMU 45			INSPECTOR S. Woodland				SHEET 2 OF 4 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 very fine sand, CH, light gray (10YR 7/1), moist, very stiff consistency, high plasticity, trace oxidation reddish brown (5YR 5/3).  gray (10YR 6/1) (5.5 ft)	BZ = 0.0 LEL = 0 O <sub>2</sub> = 20.9	PID  0.0	NA	NA	Recovery	1313 1339
	7			0.0				
	8			0.0			5/5	
	9			0.0				
	10		BZ = 0.0 LEL = 0 O <sub>2</sub> = 20.9					1317 1345
	11	SAND, trace fines, SP, yellowish gray (5Y 7/2), poorly graded, very fine to fine sand, moist, trace oxidation reddish brown (5YR 5/3).		0.0				
	12			0.0			5/5	
	13			0.0				

# HTW DRILLING LOG

HOLE NO. 045MW018

PROJECT SFAAP - SWMU 45

INSPECTOR S. Woodland

SHEET 3  
OF 4 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	SAND, trace fines, SP, yellowish gray (5Y 7/2), poorly graded, very fine to fine sand, moist, trace oxidation reddish brown (5YR 5/3).	BZ = 0.0 PID LEL = 0 O <sub>2</sub> = 20.9	NA	NA	Recovery	
	15	Trace oxidation (5YR 5/3)	0.0			5/5	
	16		BZ = 0.0 LEL = 0 O <sub>2</sub> = 20.9				1323 1349
	17		0.0				
	18	Trace staining black (18-18.5 ft)	0.0			5/5	
	19	wet, medium sand	0.0				▽
	20		BZ = 0.0 LEL = 0 O <sub>2</sub> = 20.9				1329 1353
	21		0.0			4/4	

PROJECT SFAAP - SWMU 45

HOLE NO. 045MW018

HTW DRILLING LOG							HOLE NO. 045MW018
PROJECT SFAAP - SWMU 45			INSPECTOR S. Woodland			SHEET 4 OF 4 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	SAND, trace fines, SP, yellowish gray (5Y 7/2), poorly graded, medium sand, wet, trace oxidation reddish brown (5YR 5/3).	BZ = 0.0 LEL = 0 O <sub>2</sub> = 20.9	NA	NA	Recovery	
	23		0.0			4/4	
	24	SHALE, dark yellowish orange (10YR 6/6), thinly laminated, moist.					DP Refusal @ 25.0 ft
	25		BZ = 0.0 LEL = 0 O <sub>2</sub> = 20.9				1337 Begin HSA Drilling  Log Form Cuttings  1353
	26		BZ = 0.0 LEL = 0 O <sub>2</sub> = 20.9				
	27						
	28						1400
	29	HSA Refusal @ 28.0 ft					Construct Monitoring Well