

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: _____.

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.
045MW016

1. COMPANY NAME Burns & McDonnell

2. DRILLING SUBCONTRACTOR RAZEK ENV., Inc.

SHEET 1
OF 5 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: 2159682.6760 N: 233453.5430

9. SURFACE ELEVATION 950.02 ft amsl

10. DATE STARTED 10/28/24

11. DATE COMPLETED 10/28/24

12. OVERBURDEN THICKNESS 37.0 ft

15. DEPTH GROUNDWATER ENCOUNTERED NA

13. DEPTH DRILLED INTO ROCK NA

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
10/28/24 29.0 ft btoc

14. TOTAL DEPTH OF HOLE 37.0 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

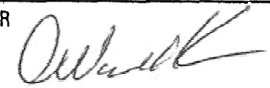
BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

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
		CLAY, with silt, CL, very dark grayish brown (10YR 3/2), damp, hard consistency, trace plasticity.	BZ = 0.0 PID LEL = 0 O ₂ = 20.9	NA	NA	Recovery	DP @ 0829 HSA @ 0858
	1	SILT, trace clay, CL, light gray (10YR 7/1), damp, hard consistency, trace plasticity, friable, trace oxidation reddish brown (5YR 5/3).	0.0				
	2		0.0				
	3		0.0				
	4		0.0				

HTW DRILLING LOG

HOLE NO. 045MW016

PROJECT SFAAP - SWMU 45

INSPECTOR S. Woodland

SHEET 2
OF 5 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
		SILT, trace clay, ML, light gray (10YR 7/1), damp, hard consistency, trace plasticity, friable, trace oxidation reddish brown (5YR 5/3).	BZ = 0.0 PID LEL = 0 O ₂ = 20.9 0.0	NA	NA	Recovery	0831 0903
	6	CLAY, CH, light gray (10YR 7/1), moist, very stiff consistency, high plasticity, trace oxidation reddish brown (5YR 5/3).	0.0				
	7	gray (10YR 6/1)	0.0			5/5	
	8		0.0				
	9		0.0				
	10	trace very fine sand, damp	BZ = 0.0 LEL = 0 O ₂ = 20.9 0.0				0835 0905
	11		0.0				
	12		0.0			5/5	
	13		0.0				

PROJECT SFAAP - SWMU 45

HOLE NO. 045MW016

HTW DRILLING LOG							HOLE NO. 045MW016
PROJECT SFAAP - SWMU 45			INSPECTOR S. Woodland			SHEET 3 OF 5 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, trace very fine, CH, gray (10YR 6/1), damp, very stiff consistency, high plasticity, trace oxidation reddish brown (5YR 5/3).	BZ = 0.0 PID LEL = 0 O ₂ = 20.9	NA	NA	Recovery	
	14	trace very fine to fine sand	0.0			5/5	
	15		BZ = 0.0 LEL = 0 O ₂ = 20.9 0.0				0838 0913
	16	SAND, trace fines, SP, yellowish gray (5Y 7/2), poorly sorted, fine to very fine sand, moist, trace oxidation reddish brown (5YR 5/3).	0.0				
	17		0.0			5/5	
	18		0.0				
	19	medium sand	0.0				
	20		BZ = 0.0 LEL = 0 O ₂ = 20.9 0.0				0847 0921
	21		0.0			4.5/4.5	

HTW DRILLING LOG

HOLE NO. 045MW016

PROJECT SFAAP - SWMU 45

INSPECTOR S. Woodland

SHEET 4
OF 5 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 sorted, medium sand, moist, trace oxidation reddish brown (5YR 5/3).	BZ = 0.0 PID LEL = 0 O ₂ = 20.9	NA	NA	Recovery	
	23	Trace staining black (23-23.5 ft)	0.0			4.5/4.5	
	24		0.0				DP Refusal @ 24.5 ft.
	25		BZ = 0.0 LEL = 0 O ₂ = 20.9				0928
	26		BZ = 0.0 LEL = 0 O ₂ = 20.9				0858 Begin HSA Drilling
	27	light brownish gray (2.5Y 6/2)					Log Form Cuttings
	28						
	29						

PROJECT SFAAP - SWMU 45

HOLE NO. 045MW016

HTW DRILLING LOG

HOLE NO. 045MW016

PROJECT SFAAP - SWMU 45

INSPECTOR S. Woodland

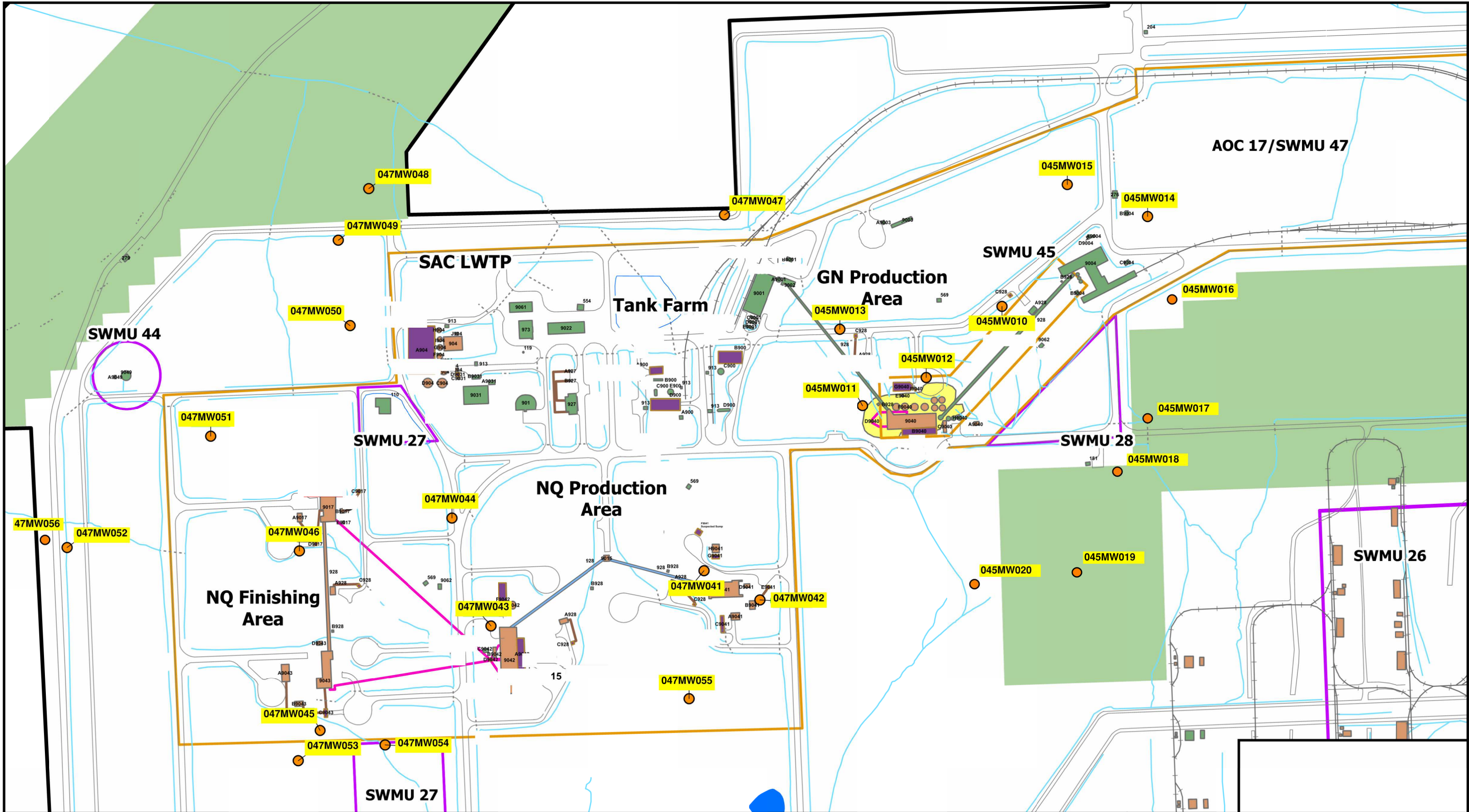
SHEET 5
OF 5 SHEETS

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
	31	SAND, trace fines, SP, light brownish gray (2.5Y 6/2), poorly sorted, medium sand, moist, trace oxidation reddish brown (5YR 5/3).	BZ = 0.0 PID LEL = 0 O ₂ = 20.9	NA	NA	Recovery	0938
	32						
	33						
	34						
	35		BZ = 0.0 LEL = 0 O ₂ = 20.9				0943
	36						
	37						0947
	38	HSA Refusal @ 37.0 ft					Construct Monitoring Well

PROJECT SFAAP - SWMU 45

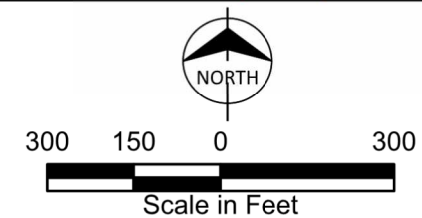
HOLE NO. 045MW016

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Legend

- Monitoring Well



Monitoring Well Locations

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