

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: | 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

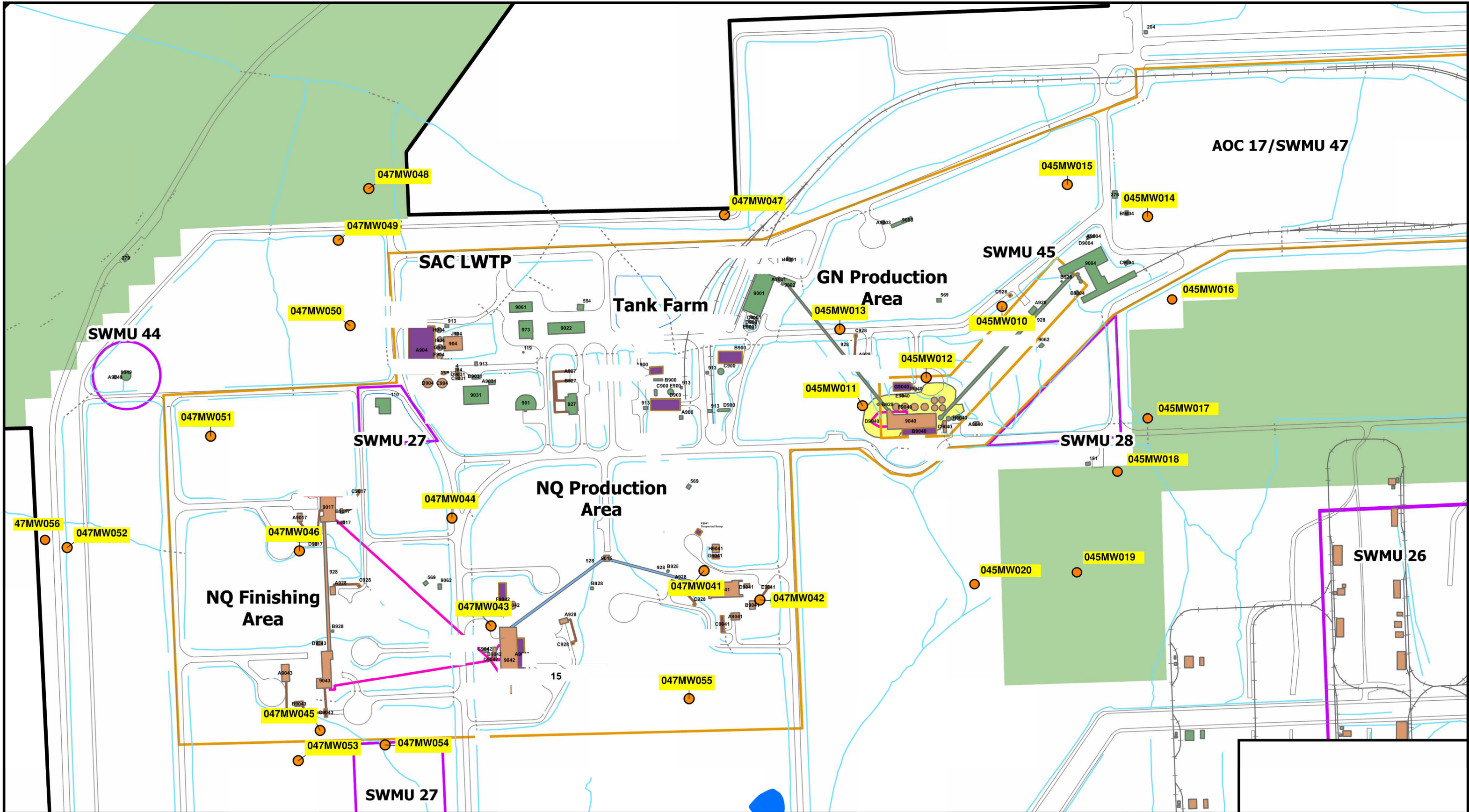
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CONTRACTOR'S OR LANDOWNERS CERTIFICATION

| |
|---|
| 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: _____. |
|---|

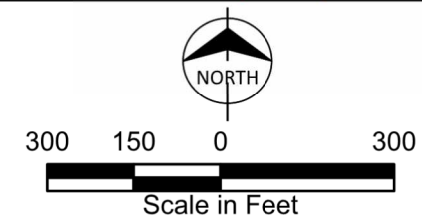
Send one copy to WATER WELL OWNER and retain one for your records. Fee of \$5.00 for each constructed well.

Path: Z:\Clients\IENS\USCOE\138163_SFAAP2021\RFI\Studies\Geospatial\DataFiles\ArcDocs\AOC17_SWMU47_rtf\relvire 4/30/2024



Legend

Monitoring Well



BURNS
MCDONNELL

Monitoring Well Locations

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

HTW DRILLING LOG

HOLE NO.
047MW049

1. COMPANY NAME Burns & McDonnell

2. DRILLING SUBCONTRACTOR RAZEK ENV., Inc.

SHEET 1
OF 3 SHEETS

3. PROJECT SFAAP

4. LOCATION AOC 17

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: 2156560.8850 N: 233756.9250

9. SURFACE ELEVATION 918.73 ft amsl

10. DATE STARTED 5/14/24

11. DATE COMPLETED 5/14/24

12. OVERBURDEN THICKNESS 14.5 ft

15. DEPTH GROUNDWATER ENCOUNTERED 14.0 ft bgs

13. DEPTH DRILLED INTO ROCK NA

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
5/14/24 NFW

14. TOTAL DEPTH OF HOLE 14.5 ft

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY) 6/19/24 10.74 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

047MW049

A17BMPZ028

S. Woodland

[Signature]

| 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 gray (10YR 3/1), moist, very stiff consistency, trace plasticity. | BZ = 0.0 PID LEL = 0 O ₂ = 20.9 0.0 | NA | NA | Recovery | DP @ 1246 HSA @ 1255 |
| | 1 | | 0.0 | | | | |
| | 2 | | 0.0 | | | | |
| | 3 | gray (10YR 6/1), trace very fine sand, stiff consistency, trace oxidation reddish brown (5YR 5/3) | 0.0 | | | 4/5 | |
| | 4 | | 0.0 | | | | |

HTW DRILLING LOG

HOLE NO. 047MW049

PROJECT SFAAP - SWMU 47


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 |
|------------|------------|--|---|--|-------------------------------|---------------------|--------------|
| | 6 | CLAY, trace very fine to fine sand, grayish brown (10YR 5/2), moist, very stiff consistency, medium plasticity, trace oxidation reddish brown (5YR 5/3), trace mottle gray (10YR 5/1). | BZ = 0.0 PID LEL = 0 O ₂ = 20.9 0.0 | NA | NA | Recovery | 1248 1258 |
| | 7 | | 0.0 | | | 5/5 | |
| | 8 | | 0.0 | | | | |
| | 9 | | 0.0 | | | | |
| | 10 | SAND, with clay, SC, yellowish brown (10YR 5/6), very fine to medium grain, moist, poorly graded. | BZ = 0.0 LEL = 0 O ₂ = 20.9 0.0 | | | | 1251 1302 |
| | 11 | | 0.0 | | | | |
| | 12 | | 0.0 | | | 4.5/4.5 | |
| | 13 | | 0.0 | | | | |

PROJECT SFAAP - SWMU 47

HOLE NO. 047MW049

| HTW DRILLING LOG | | | | | | | HOLE NO. 047MW049 |
|----------------------------|------------|---|--|--|-------------------------------|------------------------|---|
| PROJECT SFAAP - SWMU 47 | | | 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 |
| | | SAND, with clay, SC, yellowish brown (10YR 5/6), very fine to medium grain, moist, poorly graded. | BZ = 0.0 PID LEL = 0 O ₂ = 20.9 | NA | NA | Recovery | |
| | 14 | CLAY, trace silt, CL, yellowish brown (10YR 5/8), wet, stiff consistency, medium plasticity, trace oxidation reddish brown (5YR 5/3). | 0.0 | | | 4.5/4.5 |  DP Refusal @ 14.5 ft |
| | 15 | HSA Refusal @ 14.5 ft | | | | | 1255 Begin HSA Drilling |
| | 16 | | | | | | Log Form Cuttings |
| | 17 | | | | | | Construct Temporary Piezometer |
| | 18 | | | | | | |
| | 19 | | | | | | |
| | 20 | | | | | | |
| | 21 | | | | | | |

PROJECT SFAAP - SWMU 47

HOLE NO. 047MW049