WATER WELL RECORD (WWC-5)

Constructed

KOLAR DOC ID 1727378 WELL ID MC-MW05

✓ Original Record ☐ Correction ☐ Change in Well Use

LOCATION OF WATER WELL

Latitude	37.611892	Longitude	-97.260804	Section	18	Township	28	Range	2 ✓E ☐W	Fraction	NW ¼ NW ¼ SW ¼
Datum	NAD83	Elevation	1330	County	Sedgwick						

WATER WELL OWNER

Name	McConnell AF
Business	USAF AFCEC/CZOM
Address	57830 Pittsburg Street McConnell A KS 67221-36
Well location ☐ at owner's address	Mcconnell AFB

WELL WATER USE

Environmental Remediation / Monitoring Mc

COMPLETION

Depth of completed well: 24 ft.

Depth(s) groundwater encountered:

(1) _____ ft.; (2) _____ ft.;

(3) _____ ft.; (4) ☐ dry well

Static water level in well: 0 ft.

✓ measured below land surface on (mm/dd/yy): 12/1/2022

☐ 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.

PERMIT & ID NUMBERS (AS REQUIRED)

DWR Application No.: _____

KDHE / EPA Project Code: C2-087-03010

Site Name: Mcconnell AFB

KDHE UIC Class V Form Completed: ☐ Yes ☐ No

County Permit: ☐ Yes ☐ No Permit ID: _____

Lease Name & Well #: _____

# of boreholes: _____ # of dewatering wells: _____

CONSTRUCTION

Borehole interval: from 0 to 30 ft. / from _____ to _____ ft.

Borehole diameter: 6 in. / _____ in.

Casing height above land surface: 24 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: ThermalPlastic

Blank casing interval: 0 ft. to 14 ft.

Blank casing diameter: 2 in.

Casing joints: Threaded

Weight: 1.13 lbs/ft.

Wall thickness or gauge no.: .203

Blank casing interval: _____ ft. to _____ ft.

Blank casing diameter: _____ in.

Casing joints: _____

Weight: _____ lbs/ft.

Wall thickness or gauge no.: _____

Grout interval: 0 ft. to 9 ft.

Grout material: Cement

Grout interval: 9 ft. to 12 ft.

Grout material: Bentonite

Screen / perforation material: PVC

Screen / perforation openings: Wire wrapped

Screen / perforation intervals:

From 14 ft. to 24 ft.

Slot size 2 unit millimet

From _____ ft. to _____ ft.

Slot size _____ unit _____

Gravel pack intervals:

Gravel pack not used: ☐ Gravel size 20/4 in

From 12 ft. to 30 ft.

Gravel pack not used: ☐ Gravel size _____ in

From _____ ft. to _____ ft.

LITHOLOGIC LOG

FROM	TO	LITHOLOGY INTERVALS
0	22	silt,See attached

COMMENTS

THIS IS A MONITORING WELL, WHICH IS WHY WE HAVE LESS THEN 20 FOOT OF SEAL. WE ALSO HAVE SAND UNDER SCREEN TO FILL UP TO SCREEN

CONTRACTOR'S OR LANDOWNERS CERTIFICATION

This water well was constructed ✓ reconstructed ☐ pursuant to the stated water well contractor's license and was completed on 12/2/2022. 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 Environmental Works, Inc., Kansas Water Well Contractor's License No. 753 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: Paul Feld.

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

HTRW DRILLING LOG

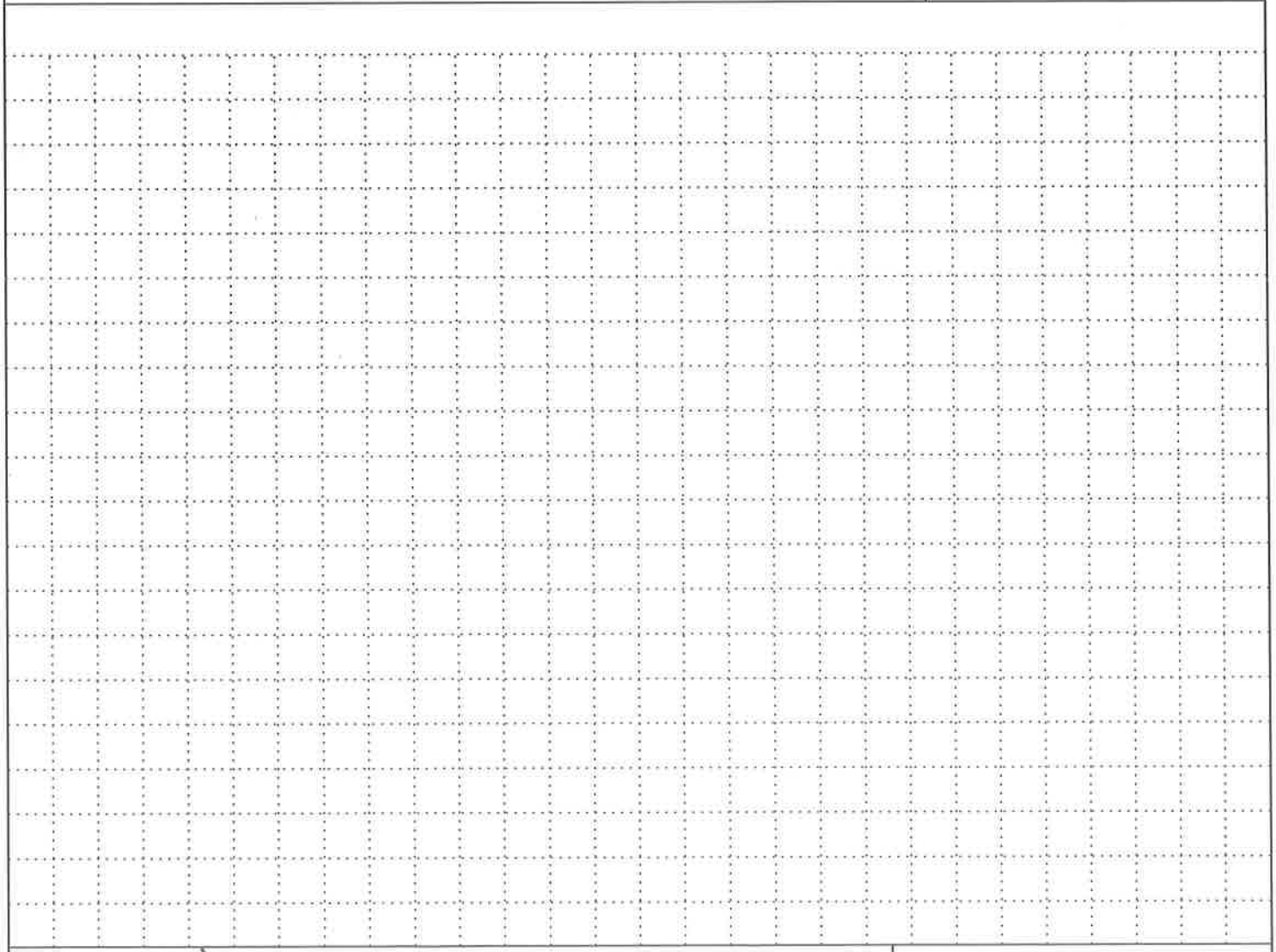
DISTRICT		HOLE NUMBER: MC1R-MW005
1. COMPANY NAME: HydroGeoLogic	2. DRILL SUBCONTRACTOR: Environmental Works, Inc.	SHEET 1 OF 3
3. PROJECT: Midwest PFAS	4. LOCATION: MW05 McConnell AFB	
5. NAME OF DRILLER: Jeremy Nash / Chris Dua	6. MANUFACTURER'S DESIGNATION OF DRILL	
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Sonic; 4" Core barrel; 6" OverRide Casing	8. HOLE LOCATION: MW05	
	9. SURFACE ELEVATION	
	10. DATE STARTED: 12-1-22	11. DATE COMPLETED: 12-2-22
12. OVERBURDEN THICKNESS: NA	15. DEPTH GROUNDWATER ENCOUNTERED: 17.5' bgs	
13. DEPTH DRILLED INTO ROCK: NA	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	
14. TOTAL DEPTH OF HOLE: 30' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
1	✓		

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOLAL CORE RECOVERY %
3			PFAS			

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Monitoring well		✓		

LOCATION SKETCH/COMMENTS — SCALE



PROJECT: Midwest PFAS — HOLE NO.: MC1R-MW005

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER: MCR1-MW05

PROJECT: Midwest PFAS | INSPECTOR: [redacted] | SHEET 2 OF 34 SHEETS

ELEV. (a)	DEPTH (b)	DESCRIPTION OF MATERIALS (c)	FIELD SCREENING RESULTS PID (d) ppm	GEOTECH SAMPLE OR CORE BOX NO. (e)	ANALYTICAL SAMPLE NO. (f)	BLOW COUNT (g)	REMARKS (h)
	1	Fill, clay, silt, brick + asphalt fragments	0.0				
	2		0.0				
	3	Fill, concrete	0.0				
	4		0.0				
	5		0.0				
	6		0.0				
	7	Fill Sand + brick, very loose, (compressed in core barrel)	0.0				
	8		0.0				
	9		0.0		MCR1SL-MW05-9.0-10.0		
	10		1.3				

PROJECT: Midwest PFAS | HOLE NO. MCR-MW05

ENG FORM 5056A-R, AUG 94 (Proponent: CECW-EG)

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER: MCR1-MW05

PROJECT: Midwest PFAS | INSPECTOR: [illegible] | 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 COUNT (g)	REMARKS (h)
	10	Fill, clay, silt, rock fragments, brick fragments					
	11		0.0				
	12		0.0				
	13	Fill, powdered concrete, concrete fragments, general rubble	0.0				
	14		0.0				
	15	Fill, predominantly silt/clay with occassional brick fragments, disturbed black w/ red brick	0.8				
	16		0.0				
	17		0.0				
	18		0.0				
	19		0.0				
	20						

PROJECT: Midwest PFAS | HOLE NO. MCIR-MW05

ENG FORM 5056A-R, AUG 94 (Proponent: CECW-EG)

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER: MCIR-MW05

PROJECT: Midwest PFAS | INSPECTOR: | 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 COUNT (g)	REMARKS (h)
	20	Fill, silt, clay, sand, rock & brick fragments					
	21		0.0				
	22	Clay and Silt, moderately plastic, soft, trace med. Sand, v. dk grayish brown (10YR3/2)	0.0	1000 MCR1SL-MW05-22.0-23.0			
	23		0.0				
	24		0.0	1005 MCR1SL-MW05-24.0-25.0			
	25		0.0				
	26	25-30' bgs No recovery					* Driller believes because soft pushed aside material from 25-30' borehole tagged at 26' bgs water level in borehole is 18.5 ft @ 0920 clean borehole & water level @ 20.2' bgs @ 1010 @ 0930 - 17.5' bgs
	27						
	28						
	29						
	30	BOH = 30' bgs					

PROJECT: Midwest PFAS | HOLE NO. MCIR-MW05

ENG FORM 5056A-R, AUG 94 (Proponent: CECW-EG)