WATER WELL RECORD (WWC-5)

Constructed

KOLAR DOC ID 1727409 WELL ID MC-MW08

✓ Original Record ☐ Correction ☐ Change in Well Use

LOCATION OF WATER WELL

Latitude	37.619396	Longitude	-97.255187	Section	18	Township	28	Range	2 ✓E ☐W	Fraction	NE ¼ NE ¼ NW ¼
Datum	NAD83	Elevation	1340	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

CONSTRUCTION

Borehole interval: from 0 to 28.5 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 8 ft.

Grout material: Cement

Grout interval: 8 ft. to 11 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 11 ft. to 28.5 ft.

Gravel pack not used: ☐ Gravel size ____ in

From ____ ft. to ____ ft.

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): 12/12/2022

☐ 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: ____

LITHOLOGIC LOG

FROM	TO	LITHOLOGY INTERVALS
0	28.5	clay,See attached

COMMENTS

THIS IS MONITORING WELL, WHICH IS WHY WE HAVE LESS THEN 20 FOOT SEAL. THERE IS SAND UNDER SCREEN.TO INSURE THE SCREEN IS AT RIGHT HEIGTH

CONTRACTOR'S OR LANDOWNERS CERTIFICATION

This water well was constructed ✓ reconstructed ☐ pursuant to the stated water well contractor's license and was completed on 12/12/2022. 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

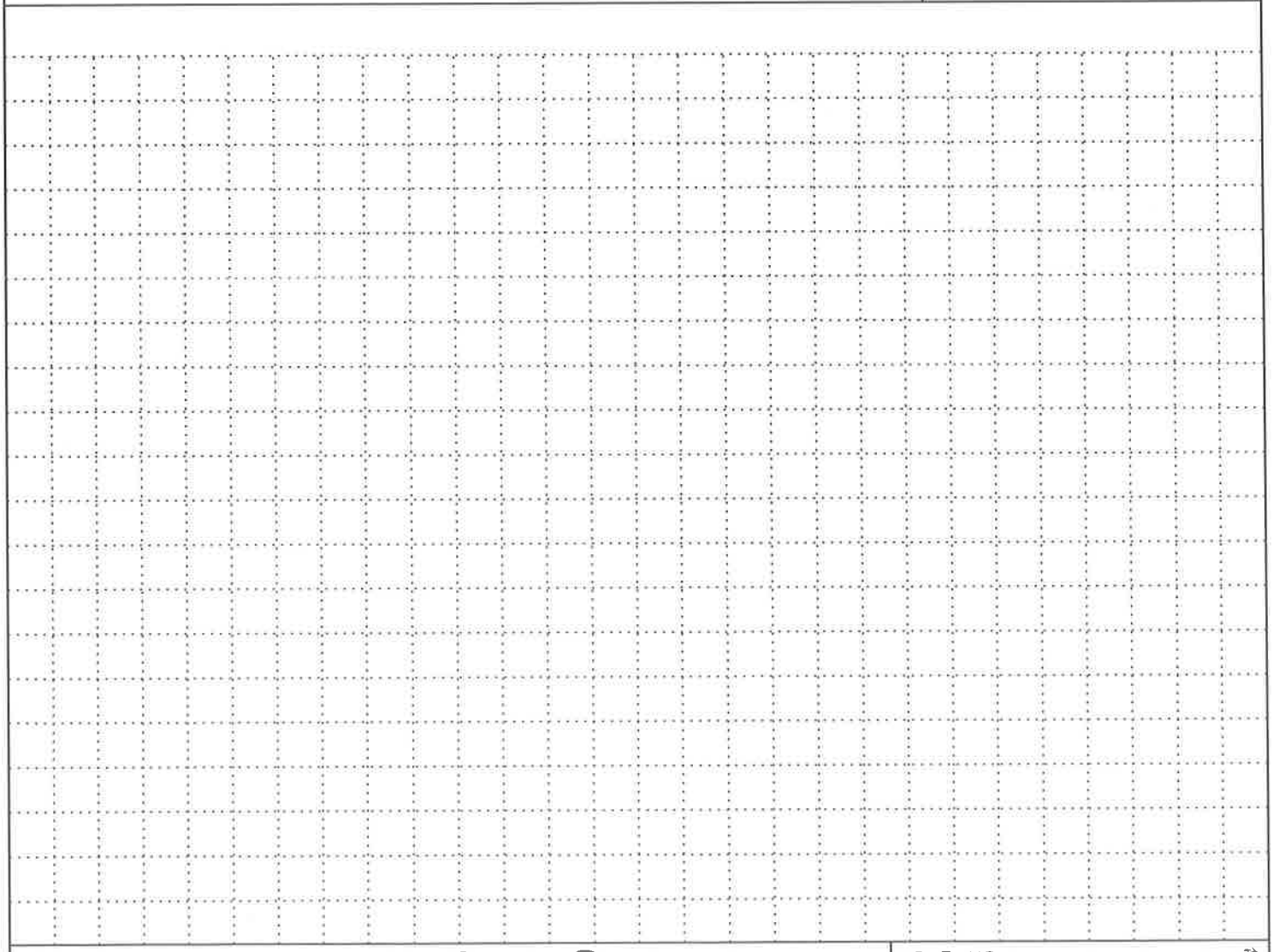
1. COMPANY NAME: HYDROGEOLOGIC, INC.	DISTRICT	HOLE NUMBER: MCRI-MW08
2. DRILL SUBCONTRACTOR: ENVIRONMENTAL WORKS		SHEET 1 OF 4
3. PROJECT: MAFB PHASE 1 PFAS RI	4. LOCATION	
5. NAME OF DRILLER: M. GAGNON	6. MANUFACTURER'S DESIGNATION OF DRILL: GEOPROBE 7822 DT	
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: GEOPROBE PT 22 DUAL TUBE SYSTEM	8. HOLE LOCATION: MCRI-MW08	
	9. SURFACE ELEVATION	
	10. DATE STARTED: 12/12/22	11. DATE COMPLETED: 12/12/22
12. OVERBURDEN THICKNESS: 20.5	15. DEPTH GROUNDWATER ENCOUNTERED	
13. DEPTH DRILLED INTO ROCK: 0.0	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	
14. TOTAL DEPTH OF HOLE: 28.5	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	

18. GEOTECHNICAL SAMPLES	DISTURBED: GRAIN SIZE	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES

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

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
		X		

LOCATION SKETCH/COMMENTS — SCALE



PROJECT: McCONNELL AFB PFAS PHASE I RI — HOLE NO.: MCRI-MW08

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

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER: MCR1-MW08

PROJECT: MAFB PHASE I PFAS RI

INSPECTOR: K. DOEDEN

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 COUNT (g)	REMARKS (h)
	0	STIFF, DAMP, LEAN, DARK BROWN (10YR 3/3) SILTY CLAY FILL W/ ROOTS		RECOVERY			HAND AUGERED FROM 0.0 TO 5.0 FT BGS
	1						BORING ADVANCED FROM 0.0 TO 28.5 FT BGS W/ DP22 DUAL TUBE SYSTEM & 6½" OD HSA
	2	VERY STIFF, MOIST LEAN, OLIVE YELLOW (2.5Y 6/6) CLAYEY SILT FILL (CL)					
	3						
	4	STIFF, DRY, LEAN, PALE BROWN (2.5Y 7/4) SILT FILL (ML)					
	5		0.0				
	6		0.0				
	7	VERY STIFF, MOIST, LEAN, LIGHT OLIVE GRAY (5Y 6/2) SILTY CLAY (CL)	0.0	40 / 49			
	8	W/ REDDISH BROWN IRON OXIDE STAINING	0.0				
	9		0.0				
	10		0.0				

PROJECT: MCCONNELL AFB PHASE I PFAS RI

HOLE NO: MCR1-MW08

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER: MCRI-MW08

PROJECT: MAFB PHASE I PFAS RI | INSPECTOR: K. DOEDEN | 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	VERY STIFF, DAMP; MED. PLASTIC, LIGHT OLIVE GRAY, CLAY (CL-CH) w/ SOME SILT	0.0	RECOVERY 36/36			
	11	STIFF, DRY, LEAN, LIGHT YELLOWISH BROWN (2.5 Y 6/4) SILT (ML) w/ TRACE FINE SAND & BLACK MANGANESE & REDDISH BROWN IRON OXIDE STAINING	0.0				
	12		0.0	24/24			
	13	VERY STIFF, MOIST MEDIUM PLASTIC GRAY (5 Y 5/1) SILTY CLAY w/ TRACE FINE SAND & SOME REDDISH BROWN IRON OXIDE STAINING (CL-CH)	0.0				
	14		0.0	12/12			
	15		0.0				
	16		0.0	24/24			
	17		0.0				
	18		0.0	18/18			
	19	M SOME GRAY TO REDDISH BROWN MOTTLING	0.0				
	19		0.0	18/18			
	20		0.0				

PROJECT: MCCONNELL AFB PHASE I PFAS RI | HOLE NO.: MCRI-MW08

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

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER: MCRI-MW09

PROJECT: MATR PHASE I PHASE RI | INSPECTOR: K. DOEDEN | 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	VERY STIFF, DRY, MED TO HIGHLY PLASTIC, WEAK RED (5YR 5/2)		RECOVERY			
	21	CLAY (CH) w/ SOME SILT & GRAY MOTTLING	0.0	24/24			
	22	VERY STIFF, DAMP HIGHLY PLASTIC, LIGHT BROWNISH GRAY (10 YR 6/2) CLAY w/ GRAY & REDDISH BROWN MOTTLING	0.0	24/24			
	23		0.0				
	24		0.0	12/12			
	25	VERY STIFF, MOIST FAT, REDDISH BROWN (2.5 YR 4/3) CLAY w/ GRAYISH BROWN MOTTLING (CH)	0.0	30/30			
	26		0.0				
	27	VERY STIFF, MOIST FAT, DARK GRAYISH BROWN (2.5 Y 4/2) CLAY (CH) w/ REDDISH BROWN IRON OXIDE STAINING	0.0	12/12			PERVASIVE GYPSUM COBBLES 28.5
	29	BOTTOM OF BORING 28.5					
	29						
	30						

PROJECT: MCGUIRE AFB PHASE I PFAS RI | HOLE NO. MCRI-MW09