

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: from _____ to _____ ft.	Borehole diameter: _____ 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.

HTRW DRILLING LOG			DISTRICT			HOLE NUMBER MCIR-MW10		
1. COMPANY NAME HARD GEOLOGICAL			2. DRILL SUBCONTRACTOR ENVIRONMENTAL WORKS			SHEET 1 OF 10		
3. PROJECT McCormick AFB			4. LOCATION MCCONNELL AFB					
5. NAME OF DRILLER J. NASHA			6. MANUFACTURER'S DESIGNATION OF DRILL LS-250					
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT 4" CORE BARREL 6" OVERPIPE CASING			8. HOLE LOCATION MCIR-MW10					
			9. SURFACE ELEVATION					
			10. DATE STARTED 12/10/22			11. DATE COMPLETED 12/10/22		
12. OVERBURDEN THICKNESS 50.0			15. DEPTH GROUNDWATER ENCOUNTERED NONE DETECTED A/D					
13. DEPTH DRILLED INTO ROCK 0.0			16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED					
14. TOTAL DEPTH OF HOLE 50.0			17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)					
18. GEOTECHNICAL SAMPLES		DISTURBED		UNDISTURBED		19. TOTAL NUMBER OF CORE BOXES NA		
20. SAMPLES FOR CHEMICAL ANALYSIS		VOC	METALS	OTHER (SPECIFY) PTAS	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY %	
22. DISPOSITION OF HOLE		BACK FILLED	MONITORING WELL <input checked="" type="checkbox"/>	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR 			
LOCATION SKETCH/COMMENTS							SCALE	
<div style="border: 1px dotted black; width: 100%; height: 100%;"></div>								
PROJECT						HOLE NO.		

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER
 MK R-MW10
 SHEET 2 OF 6 SHEETS

PROJECT: MCCONNELL AFB PITS RE I INSPECTOR: GAD T / K. DOEDEN

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	Fill, silt w/ clay, some sand and gravel, dark brown, disturbed					Hand auger to 5' bgs
	1						
	2						
	3						
	4	- color change to strong brown (7.5YR4/6) appears reworked					
	5	Silt, little clay, stiff, non-plastic some Mn oxide nodules (crse sand-sized),	5.9				
	6	trace calcareous nodules (fin-gravel-sized), strong brown (7.5YR4/6)	19.0				
	7		5.2				
	8	increasing Mn oxide stainings/nodules	0.0				
	9		0.0				
	10	NR	0.0				

PROJECT: MCCONNELL AFB PITS RE I

HOLE NO. MKR-MW10

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER
MCP-1110

PROJECT
MCP PHASE 1 PITS RE

INSPECTOR
J GANT / K. DOODAN

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 COUNT (g)	REMARKS (h)
	10	Silty Clay, v. stiff, mod. plasticity, heavy Mn oxide staining, some iron-staining, numerous calcareous nodules	0.0				
	11	11-12' bgs - 50% calcareous material	0.0				
	12	horizontal seam vertical					
	13	Silty Clay w/ sand ~40% sand, fine + medium, trace coarse Some grains appear to be calcareous nodules, med. stiff, heavy calcareous staining. Lt. yellowish brown (2.5 Y6/3)	0.0				
	14	Silty clay w/ sand ~50% sand, mostly coarse, few fine sand medium, med. stiff, non-plastic iron-stained, heavy cal. calcareous staining Lt. yellowish brown (2.5 Y6/3)	0.0				
	15	Silty clay, v. stiff mod. plasticity, some iron staining occasional calcareous nodules Lt. yellowish brown (2.5 Y6/3)	0.0				
	16	Silty clay, v. stiff mod. plasticity, some iron staining occasional calcareous nodules Lt. yellowish brown (2.5 Y6/3)	0.0				
	17	Silty clay, v. stiff mod. plasticity, some iron staining occasional calcareous nodules Lt. yellowish brown (2.5 Y6/3)	0.0				
	18	Silty clay, v. stiff mod. plasticity, some iron staining occasional calcareous nodules Lt. yellowish brown (2.5 Y6/3)	0.0				
	19	Silty clay, v. stiff mod. plasticity, some iron staining occasional calcareous nodules Lt. yellowish brown (2.5 Y6/3)	0.0				
	20		0.0				

PROJECT
MCP PHASE 1 PITS RE

HOLE NO.
MCP-1110

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER
MC12-MW10

PROJECT
MARB PHASE 1 PTAS RE

INSPECTOR
J. GAST / K. DOEDEN

SHEET 4 OF 6 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	Silty clay, see previous page					
	21	- increasing silt content color change to Lt. brownish gray (2.5Y 6/2)	0.0				
	22	becoming med. stiff w/ Mn oxide staining	0.0				
	23		0.0				
	24	Clayey Sand/Sandy Clay. Sand predominantly med. to coarse, few fine, non plastic, soft Lt. yellowish brown (2.5Y 6/4)	0.0				
	25		0.0				
	26	Clayey silt, med. stiff, slight plasticity, trace fn to coarse sand from little iron to Mn oxide staining; Lt olive brown (2.5Y 5/3)	0.0				
	27	At 26' bgs - increase sand content to few	0.0				
	28		0.0				
	29	increased sand content to little, more coarse, trace gravel-sized Mn oxide nodules	0.0				
	30		0.0				

PROJECT
McCONNELL AFB PHASE 1 PTAS RE

HOLE NO.
MC12-MW10

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER
MCRI-MW10

PROJECT
MCCONNELL AFB PHASE 1 PTAS RI

INSPECTOR
J. GAST / K. DOEDEN

SHEET 5 OF 6 SHEETS

ELEV. (a)	DEPTH (b)	DESCRIPTION OF MATERIALS (c)	FIELD SCREENING RESULTS (d)	GEO TECH SAMPLE OR CORE BOX NO. (e)	ANALYTICAL SAMPLE NO. (f)	BLOW COUNT (g)	REMARKS (h)
	30	See previous page					
	31	Silty clay, med. stiff, mod. plasticity mottled olive (2.5Y 5/4) reddish brown (5YR 4/3)	0.0				
	32		0.0				
	33		0.0				
	34		0.3				
	35		0.0				
	36		0.5				
	37		1.0				
	38		3.2	7			
	39		5.3	5.3			
	40		4.6	7.6			

PROJECT
MCCONNELL AFB PHASE 1 PTAS RI

HOLE NO.
MCRI-MW10

HTRW DRILLING LOG (CONTINUATION SHEET)

HOLE NUMBER

MC12-MW10

PROJECT
MATTB PHASE 1 PITS RF

INSPECTOR
K. DODD

SHEET 6 OF 6 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)
	40	SILTY CLAY SEE PREVIOUS PAGE	0.6				
	41	Dark GRAY, MEDIUM HARD	3.9				
	42	SOFT, MOIST Black (Type 2.1) Silty Clay	4.7				
	43		4.2				
	44		2.2				
	45		4.3				
	46	With some blocky structure grading to very weathered shale	1.5				
	47		3.0				
	48		4.5				
	49		2.8				
	50	BOTTOM OF BORING	2.5				

PROJECT
MCCONNELL PITS PHASE 1 PITS RF

HOLE NO.
MC12-MW10