WATER WELL RECORD (WWC-5)

Constructed

KOLAR DOC ID 1672607 WELL ID MW22-15

✓ Original Record ☐ Correction ☐ Change in Well Use

LOCATION OF WATER WELL

Latitude	39.09882	Longitude	-96.73741	Section	14	Township	11	Range	6 ✓E ☐W	Fraction	SW ¼ NE ¼ NW ¼
Datum	NAD83	Elevation	1060	County	Geary						

WATER WELL OWNER

Name	
Business	Directorate of Public Works-E
Address	407 Pershing Court, Main Post Fort Riley KS 66442
Well location ☐ at owner's address	Fort Riley

WELL WATER USE

Environmental Remediation / Monitoring Mc

COMPLETION

Depth of completed well: 35 ft.

Depth(s) groundwater encountered:

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

(3) _____ ft.; (4) ☐ dry well

Static water level in well: 14 ft.

✓ measured below land surface on (mm/dd/yy): 05/08/2022

☐ 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: KS6214020756

Site Name: Site 1044

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 35 ft. from _____ to _____ ft.

Borehole diameter: 8 in. _____ in.

Casing height above land surface: 12 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 25 ft.

Blank casing diameter: 2 in.

Casing joints: Threaded

Weight: .68 lbs/ft.

Wall thickness or gauge no.: 2.067

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 18 ft.

Grout material: Bentonite

Grout interval: _____ ft. to _____ ft.

Grout material: _____

Screen / perforation material: PVC

Screen / perforation openings: Mill slot

Screen / perforation intervals:

From 25 ft. to 35 ft.

Slot size .01 unit mils

From _____ ft. to _____ ft.

Slot size _____ unit _____

Gravel pack intervals:

Gravel pack not used: ☐ Gravel size 10/2 in

From 18 ft. to 35 ft.

Gravel pack not used: ☐ Gravel size _____ in

From _____ ft. to _____ ft.

LITHOLOGIC LOG

FROM	TO	LITHOLOGY INTERVALS
0	10	silt,fine to medium,clayey,dark,reddish,brown,dry,stiff
10	15	silt,medium,clayey,light,brownish,moist
15	20	silt,fine to medium,clayey,light,brownish
20	25	silt,fine,clayey,light,brownish,orange,saturated
25	35	sand,fine to medium,clayey,light,tannish,tan,saturated

COMMENTS

CONTRACTOR'S OR LANDOWNERS CERTIFICATION

This water well was constructed ✓ reconstructed ☐ pursuant to the stated water well contractor's license and was completed on 05/08/2022. I certify that this record is true to the best of my knowledge and belief. This water well record was completed on 01/25/2023 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.

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT

Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka KS 66612-1367

(785) 296-3565 | K.S.A. 82a-1212 | v2022c

ARCADIS Design & Consultancy for natural and built assets

Soil Boring Log

Boring No.: 1044MW22-15

Sheet : 1 of 2

Project Name:	Fort Riley	Date Started:	5/8/2022	Logger:	Stephan Schmitz
Project Number:	30076160	Date Completed:	5/8/2022	Editor:	
Project Location:	Fort Riley, KS				

Depth (feet)	Shake Tests	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
0		MW-15 (0-1) @ 1400	DPT	0.0	GM	(0-0.5') 6" of beige crushed rock/gravel.	Concrete
					CL	(0.5-1.5') Silty clay, stiff, dry, reddish brown.	
			HA	0			
2			Hand auger	0		(1.5-2.5') Silty clay with rocks, angular, dark/brown.	
				0			
4			HA	0			
				0	CH	(2.5-9')Silty clay, stiff, medium moist, black. @5.5' color change to dark brown. @ 7' color chnage to beige brown.	
6				0			
				0			
8				0			
				0	SM	(9-10') Silt, soft, m moist, brown.	
10				0	MH	(10-13.5') Silty clay, m. moist, medium plasticity.	
				0			
12				0			
				0		(13.5-14.5') Silt, moist to wet, brittle, beige/brown.	
14				0	SM	(14.5-16.5') Silt/silty fine sand, wet to saturated.	
				0			
16				0			
				0		(16.5-20') Purge Zone. @17.5' uniform.	Bentonite Chips
18				0			
				0			
20				0			

2-inch diameter, 10-slot PVC Riser

Bentonite Grout

Drilling Co.:	EWI	Sampling Method:	Dual-Tube
Driller:		Sampling Interval:	Continuous
Drilling Method:	Geoprobe - DPT	Water Level Start:	29FT
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks:	Hand auger first 5'	Converted to Well:	Yes
			Finished as flush mount surface completion.

ARCADIS Design & Consultancy for natural and built assets

Soil Boring Log

Boring No.: 1044MW22-15

Sheet : 2 of 2

Project Name:	Fort Riley	Date Started:	5/8/2022	Logger:	Stephan Schmitz
Project Number:	30076160	Date Completed:	5/8/2022	Editor:	
Project Location:	Fort Riley, KS				

Depth (feet)	Shake Tests	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
				0	SC	(20-20.5')) Silt, silty fine sand with clay.	2-inch diameter, 10-slot PVC Screen; 10/20 Sand Filter Pack
				0	CH	(20.5-21') ~ 6" Stiff clay.	
22				0		(21-22.5') Silt, wet to saturated.	
				0	SW	(22.5-24') Sand lense, medium grain, coarse at bottom, ~ 8" thick, saturated, orange brown.	
24				0	SM	(24-24.5') Silty fine sand, dry, light beige.	
				0		(24.5-25.5') Powdery, beige.	
26				0			
				0			
28				0			
				0		(25.5-31.5') sand, m grained to fine, beige. @29' Water table encountered ATD.	
30				0			
				0			
32				0	CL	(31.5-32.5') Clay lease ~2" thick	
				0	SP	(32.5-33.5') Alternating fine and m grain sand.	
34				0		(33.5-35') Saturated	
				0			
36						END OF BORING = 35FT	
38							
40							

Remarks: