

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

# Drilling Log

Project Name <b>TC Milepost 14</b>		Project No. 152919 Location <b>Washington, KS</b>			Boring Number <b>MW-05</b>		
Ground Elevation <b>1,266.79 ft. amsl</b>		Northing 551161.94 Easting 1594240.52		Latitude N39.84229 Longitude W96.99607		Page <b>1 of 3</b>	
TOC Elevation <b>1,269.50 ft. amsl</b>		Air Monitoring Equipment <b>4 Gas / PID</b>			Total Footage <b>30 feet</b>		
Drilling Type	Hole Size	Overburden Footage	Bedrock Footage	No. Of Samples	No. Core Boxes	Depth to Water	Date Measured
Direct-Push + HSA	2.25" / 8.25"	30	0	1	NA	19.36	11-6-23
Drilling Company <b>PES</b>				Driller(s) <b>Jason Auernheimer</b>			
Drilling Rig <b>Geoprobe 7822</b>				Type of Sampler <b>Macro-Core</b>			
Date <b>10-30-23</b>		To <b>10-30-23</b>		Field Observer(s) <b>C. Hoglund</b>			

Elev. (ft msl)	Depth (ft)	Blow Counts	USCS Symbol	Recov. & Run Time	PID Rdg.	Description	Depth (ft)	Well Diagram	Remarks/ Notes
1266	1			1205	0	CLAY (Topsoil) - Grayish Brown (10YR 5/2), with silt, trace very fine sand, medium-high consistency, low-medium plasticity, few-some roots, DRY.	1	Bentonite and Annular Seal (bentonite chips)	1201 START DRILLING; direct-push Macro-Core
1265	2			4.4/5 88%	0	CLAY - Dark Grayish Brown (10YR 4/2), with silt, trace very fine sand, medium-high consistency, low-medium plasticity, trace-few roots, DRY.	2		
1264	3		CL		0		3		
1263	4				0		4		
1262	5				0		5		
1261	6		CL	1211	0	CLAY - Brown (10YR 4/3), with silt, trace very fine sand, medium-high consistency, low-medium plasticity, trace-few roots, DRY.	6		
1260	7			3.8/5 76%	0		7		
1259	8		CL		0	CLAY - Yellowish Brown (10YR 5/4-5/6), moderately weahtered (iron oxide mottling), with silt, some very fine sand, medium-high consistency, low-medium plasticity, trace-few clay/mudstone, DRY. Increasing sand content with depth and trace-few clay/mudstone clasts/inclusions.	8		
1258	9				0		9		
1257	10				0		10		
1256	11		CL	1214	0	CLAY - (10RY 5/3), some silt, trace very fine sand, trace-few white to light gray CaCO3/gypsum filled root traces, DRY-DAMP	11		
1255	12			4.4/5 88%	0		12		
1254	13				0	some very fine sand, little-some iron oxide mottling (slightly weathered)	13		
1253									

LOG/MONITOR WELL DIAGRAM - ENV1\_CM TC MILEPOST 14 MW INSTALL\_OCT-NOV, 2023 (1).GPJ WILLIAMS.GDT 12/12/23

# Drilling Log, continued

Boring Number **MW-05**  
 Page **2 of 3**  
 Date **10-30-23**

Project Name **TC Milepost 14**

Project Number **152919**

Elev. (ft msl)	Depth (ft)	Blow Counts	USCS Symbol	Recov. & Run Time	PID Rdg.	Description	Depth (ft)	Well Diagram	Remarks/ Notes
1252	15		CL		0	CLAY - (10RY 5/3), some silt, trace very fine sand, trace-few white to light gray CaCO3/gypsum filled root traces, DRY-DAMP	15	<p>Filter Pack Sand</p> <p>10' screen; 2" diameter Sch. 40 PVC; 0.01" machine-slotted.</p> <p>end cap (threaded)</p>	
1251	16		CH	1218	0	CLAY - Dark Grayish Brown to Grayish Brown (10YR 4/2-5/2), some silt, trace very fine sand, high consistency, medium-high plasticity, few slickenside surfaces, damp.	16		
1250	17			5/5 100%	0		17		
1249	18				0	Dark Gray (10YR 4/1) to Dark Grayish Brown (10YR 4/2)	18		
1248	19				0		19		
1247	20			1225	0	Moist	20		
1246	21			5/5 100%	0		21		
1245	22				0		22		
1244	23				0		23		
1243	24		CH		0	CLAY - Dark Grayish Brown (10YR 4/2), with sand, some silt, medium-high plasticity, soft, WET.	24		
1242	25			1235	0		25		
1241	26		CL		0	CLAY - Dark Grayish Brown (10YR 4/2), some silt, trace-few very fine sand, medium-high consistency and plasticity, DAMP-MOIST.	26		
1240	27		CH	5/5 100%	0	CLAY - 10YR 4/2, with sand, some silt soft, low consistency, medium-high plasticity, WET.	27		
1239	28		SC		0	SAND - Yellowish Brown to Dark Yellowish Brown (10YR 5/4-4/4), very fine to fine grain, with clay, some iron oxide mottling (moderately weathered), increase iron oxide mottling with depth, WET.	28		
1238	29				0		29		
1237	30		SP		0	SAND - very fine to fine grain, quartz-rich, with iron oxide staining (mod-high weathered), WET.	30		
1236					0	End of Boring = 30 ft bgs; no refusal encountered.			Collect MW-05/SS01 23'-24' cut sample SS1 23'-24' (23 - 24)

LOG/MONITOR WELL DIAGRAM - ENV1\_CM TC MILEPOST 14 MW INSTALL\_OCT-NOV\_2023 (1).GPJ WILLIAMS.GDT 12/12/23

# Drilling Log, continued

							Boring Number <b>MW-05</b>		
Project Name <b>TC Milepost 14</b>							Page <b>3 of 3</b>		
Project Number <b>152919</b>							Date <b>10-30-23</b>		
Elev. (ft msl)	Depth (ft)	Blow Counts	USCS Symbol	Recov. & Run Time	PID Rdg.	Description	Depth (ft)	Well Diagram	Remarks/ Notes
1235	32						32		
1234	33						33		
1233	34						34		
1232	35						35		
1231	36						36		
1230	37						37		
1229	38						38		
1228	39						39		
1227	40						40		
1226	41						41		
1225	42						42		
1224	43						43		
1223	44						44		
1222	45						45		
1221	46						46		
1220	47						47		
1219									

End of Boring 35'  
bgs; no refusal  
encountered. 1334 -  
1700 HSA drill to 0'-  
35' bgs and install  
2" MW.

LOG/MONITOR WELL DIAGRAM - ENV1\_CM TC MILEPOST 14 MW INSTALL\_OCT-NOV\_2023 (1).GPJ WILLIAMS.GDT 12/12/23