MEASUREMENT OF HYDRAULIC CONDUCTIVITY OF SATURATED POROUS MATERIALS
USING A FLEXIBLE WALL PERMEAMETER
ASTM D 5084 - 16, METHOD C
FLUID: DEAIRED DISTILLED WATER WITH 0.01 M CaCL2

DATE:	7/15/2025
PROJECT NUMBER:	02211341
PROJECT NAME:	GeoPro, Inc
LOCATION:	NA
SAMPLE ID:	TG 40
SAMPLE DESCRIPTION:	Sample Prepared by Geo Pro, Inc

Terracon
15620 W. 113th Street
Lenexa, Kansas 66219
(913) 492-7777

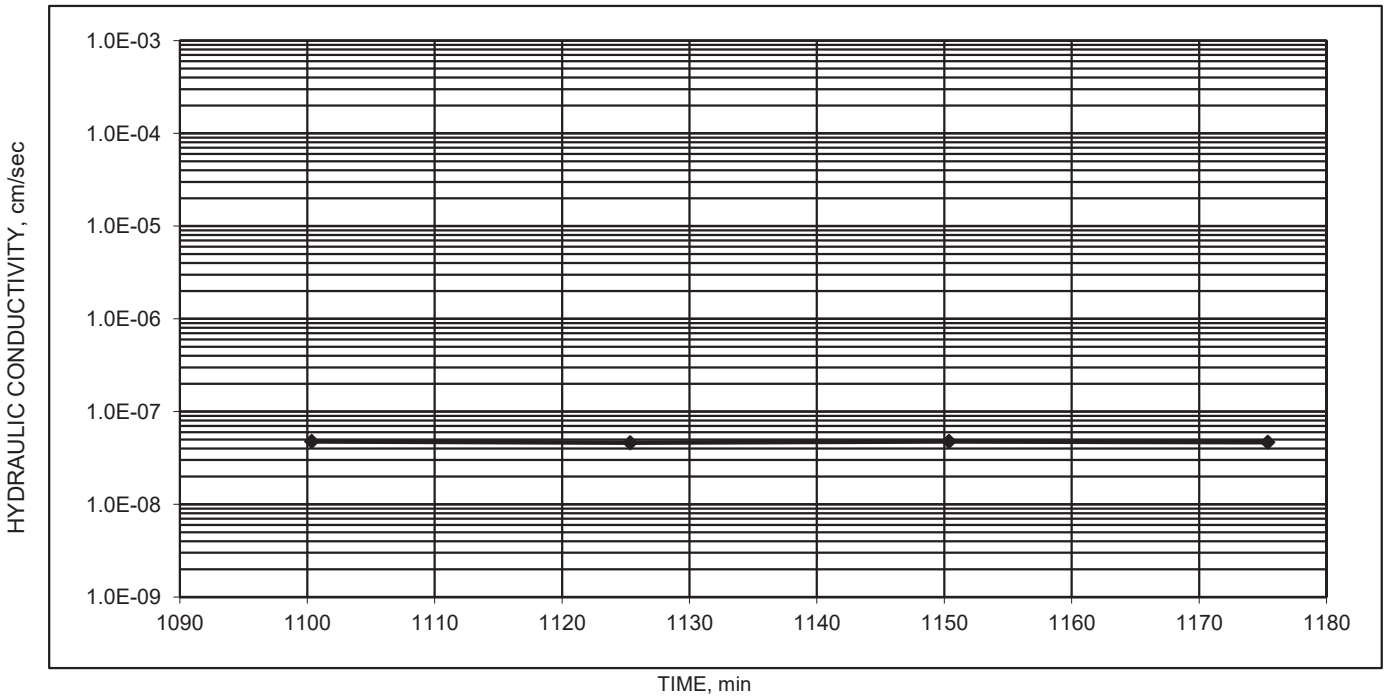
SAMPLE DATA

	INITIAL		ADDITIONAL DATA	
Moisture %:	NA		Sample Recompacted?	NA
Wet Unit Weight, pcf	78.7		Maximum Dry Density, pcf:	NA
Dry Unit Weight, pcf	NA		Optimum Moisture Content, %:	NA
Height, in.	0.99		Compaction, %:	NA
Diameter, in.	2.43		Over Optimum Moisture Content, %:	NA
Saturation, %:	NA		Specific Gravity:	NA
Void Ratio	NA		SG Assumed or Tested	NA
Porosity	NA		B-Value Parameter After Saturation:	96

PERMEATION DATA

Elapsed Time (min.)	Cell Pressure (psi)	Bottom Pressure (psi)	Top Pressure (psi)	Cell Volume (ml)	Bottom Volume (ml)	Top Volume (ml)	In Flow (ml/min.)	Out Flow (ml/min.)	Flow Ratio	Pressure Diff. (psi)	Gradient	k Value cm/sec
1100	64.04	60.54	59.62	0.153	3.914	-3.619	0.00244	0.00218	0.90	0.97	27.2	4.8E-08
1125	64.04	60.54	59.60	0.182	3.975	-3.679	0.00247	0.00207	0.84	0.99	27.5	4.6E-08
1150	64.04	60.54	59.61	0.182	4.035	-3.735	0.00243	0.00221	0.91	0.98	27.2	4.8E-08
1175	64.05	60.54	59.61	0.201	4.096	-3.786	0.00249	0.00207	0.83	0.98	27.2	4.7E-08

HYDRAULIC CONDUCTIVITY (k20), CM/SEC : **4.7E-08**



MEASUREMENT OF HYDRAULIC CONDUCTIVITY OF SATURATED POROUS MATERIALS
USING A FLEXIBLE WALL PERMEAMETER
ASTM D 5084 - 16, METHOD C
FLUID: DEAIRED DISTILLED WATER WITH 0.01 M CaCL2

DATE:	7/15/2025
PROJECT NUMBER:	02211341
PROJECT NAME:	GeoPro, Inc
LOCATION:	NA
SAMPLE ID:	TG 120
SAMPLE DESCRIPTION:	Sample Prepared by Geo Pro, Inc

Terracon
15620 W. 113th Street
Lenexa, Kansas 66219
(913) 492-7777

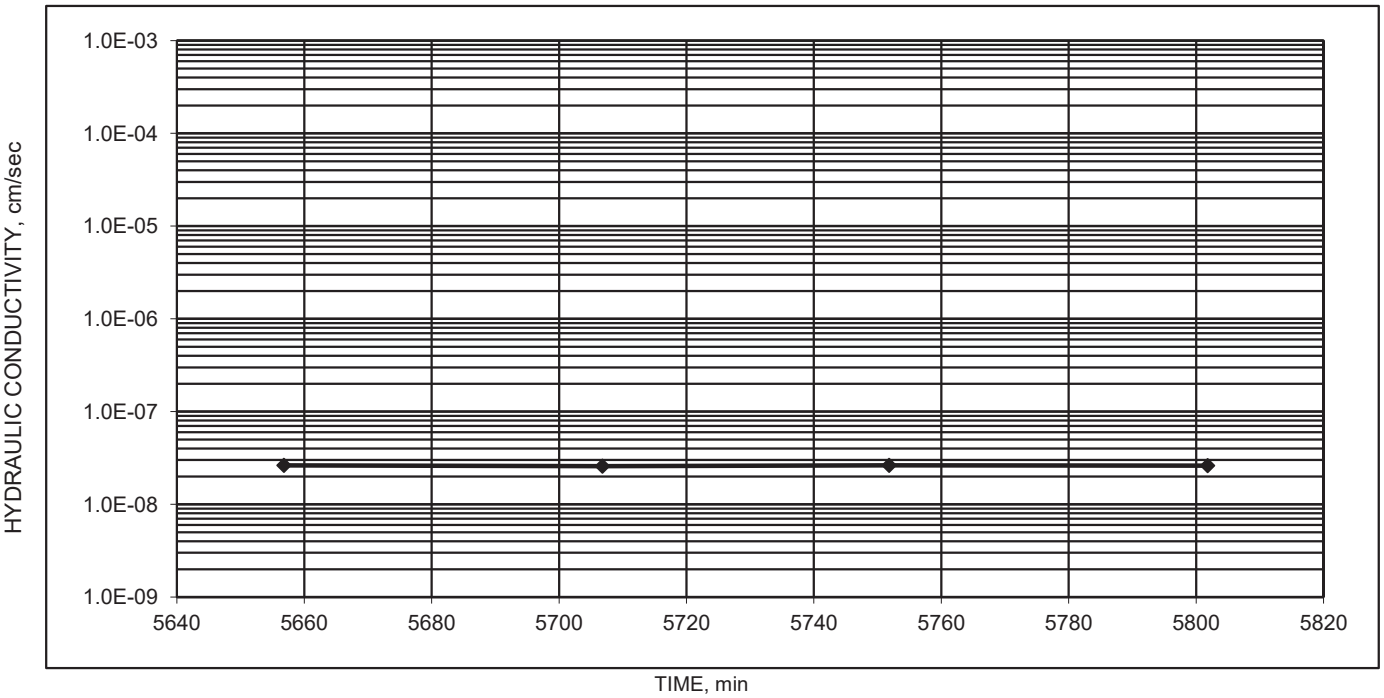
SAMPLE DATA

	INITIAL		ADDITIONAL DATA	
Moisture %:	NA		Sample Recompacted?	NO
Wet Unit Weight, pcf	76.7		Maximum Dry Density, pcf:	NA
Dry Unit Weight, pcf	NA		Optimum Moisture Content, %:	NA
Height, in.	0.99		Compaction, %:	NA
Diameter, in.	2.43		Over Optimum Moisture Content, %:	NA
Saturation, %:	NA		Specific Gravity:	NA
Void Ratio	NA		SG Assumed or Tested	NA
Porosity	NA		B-Value Parameter After Saturation:	94

PERMEATION DATA

Elapsed Time (min.)	Cell Pressure (psi)	Bottom Pressure (psi)	Top Pressure (psi)	Cell Volume (ml)	Bottom Volume (ml)	Top Volume (ml)	In Flow (ml/min.)	Out Flow (ml/min.)	Flow Ratio	Pressure Diff. (psi)	Gradient	k Value cm/sec
5657	64.64	61.12	60.10	0.979	9.458	-8.427	0.00129	0.00131	1.01	0.99	27.7	2.6E-08
5707	64.64	61.12	60.12	0.971	9.522	-8.488	0.00119	0.00134	1.13	0.98	27.4	2.6E-08
5752	64.64	61.13	60.15	0.968	9.580	-8.544	0.00132	0.00122	0.92	0.96	26.9	2.6E-08
5802	64.64	61.13	60.15	0.982	9.643	-8.604	0.00125	0.00126	1.01	0.97	26.9	2.6E-08

HYDRAULIC CONDUCTIVITY (k20), CM/SEC : **2.6E-08**



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