ATTACHMENT 4

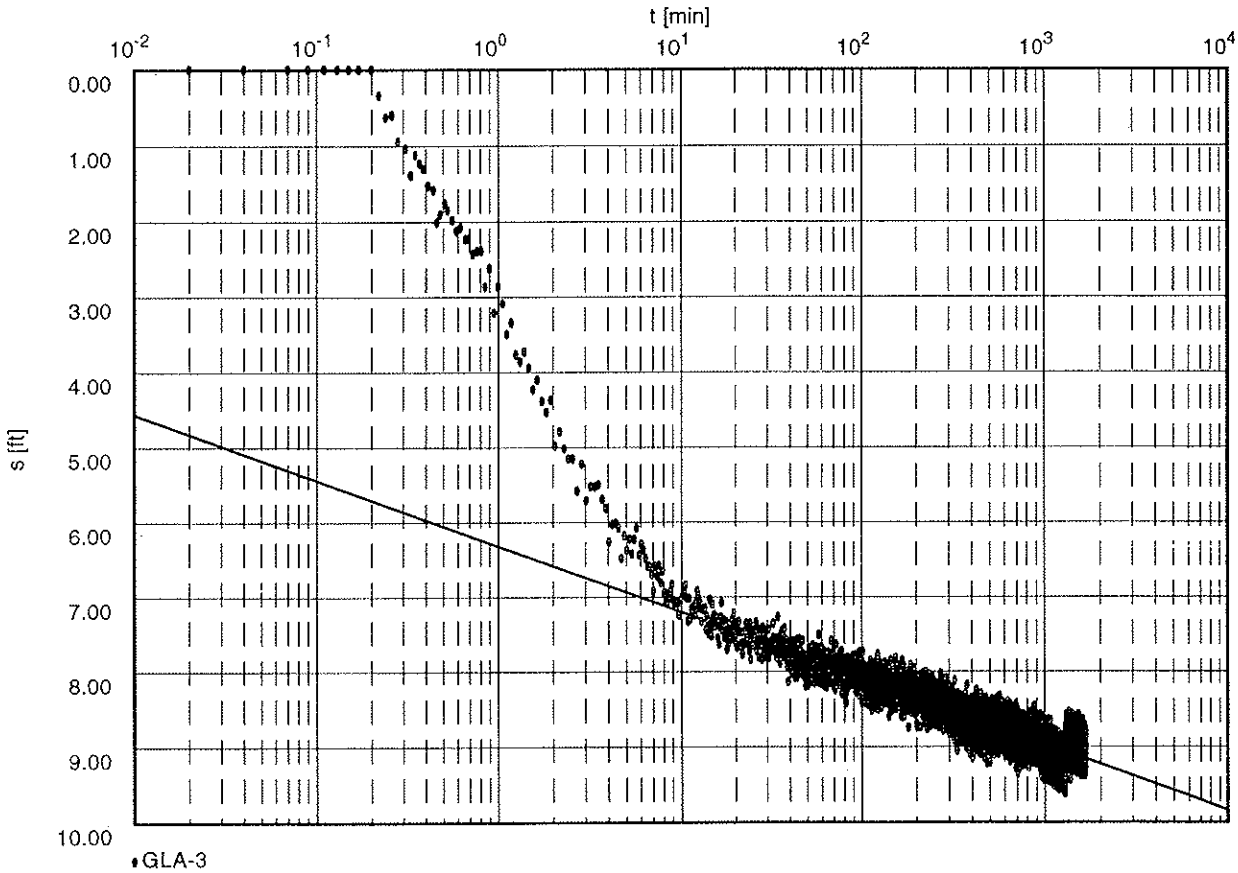
PUMPING TEST RESULTS (CURVES)

APPENDIX A

PUMP TEST #1 DATA

GeoLogic Associates 1360 Valley Vista Drive Diamond Bar, California (909) 860-3448	Pumping test analysis Time-Drawdown-method after COOPER & JACOB Unconfined aquifer	Date: 08.12.2000	Page 1
		Project: Gregory Canyon Pump Test	
		Evaluated by: wbl	

Pumping Test No. 1	Test conducted on: 28.11.2000
GLA-3 (pumping well)	
Discharge 10.00 U.S.gal/min	



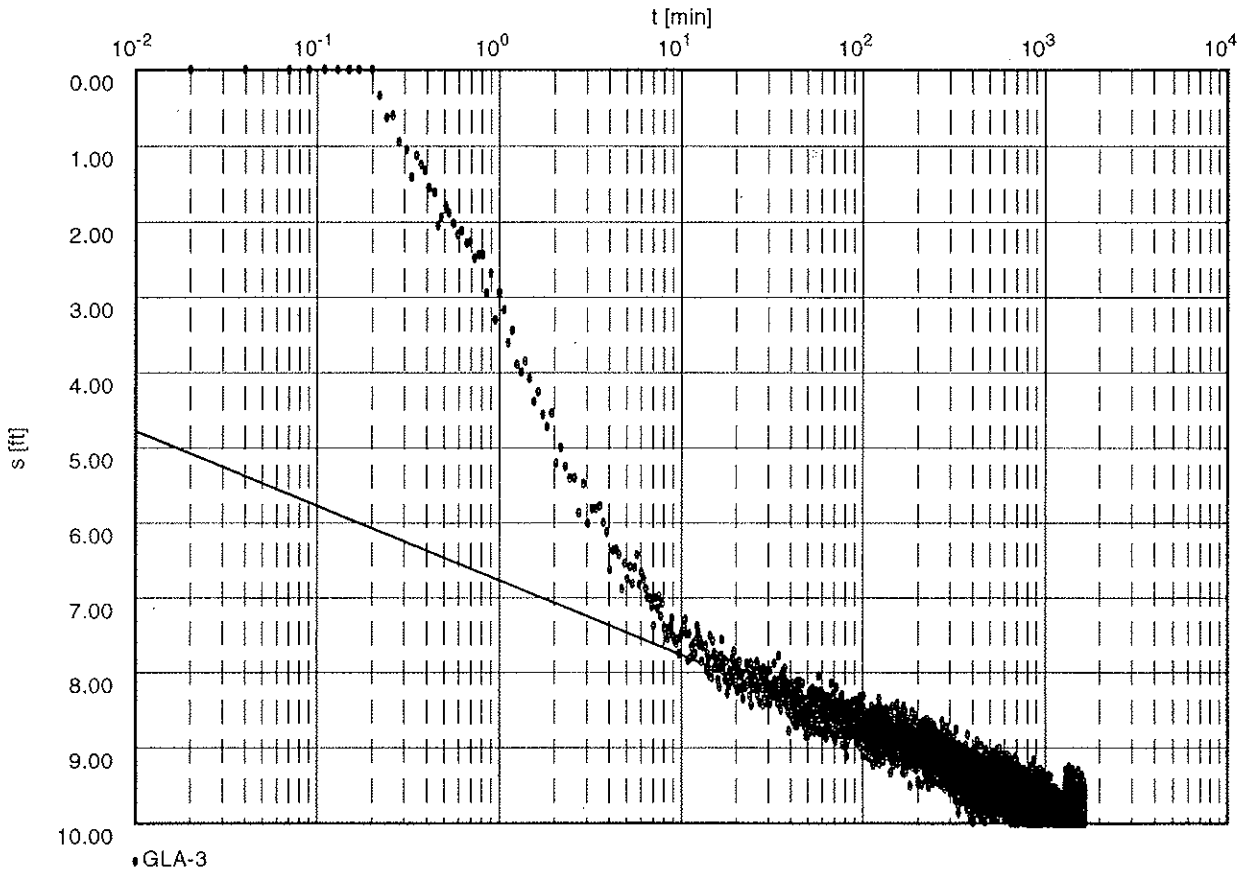
Transmissivity [ft²/min]: 2.77×10^{-1}

Hydraulic conductivity [ft/min]: 4.62×10^{-3}

Aquifer thickness [ft]: 60.00

GeoLogic Associates 1360 Valley Vista Drive Diamond Bar, California (909) 860-3448	Pumping test analysis Time-Drawdown-method after COOPER & JACOB Confined aquifer	Date: 08.12.2000 | Page 1 Project: Gregory Canyon Pump Test Evaluated by: wbl

Pumping Test No. 1	Test conducted on: 28.11.2000
GLA-3 (pumping well)	
Discharge 10.00 U.S.gal/min	



Transmissivity [ft²/min]: 2.45×10^{-1}

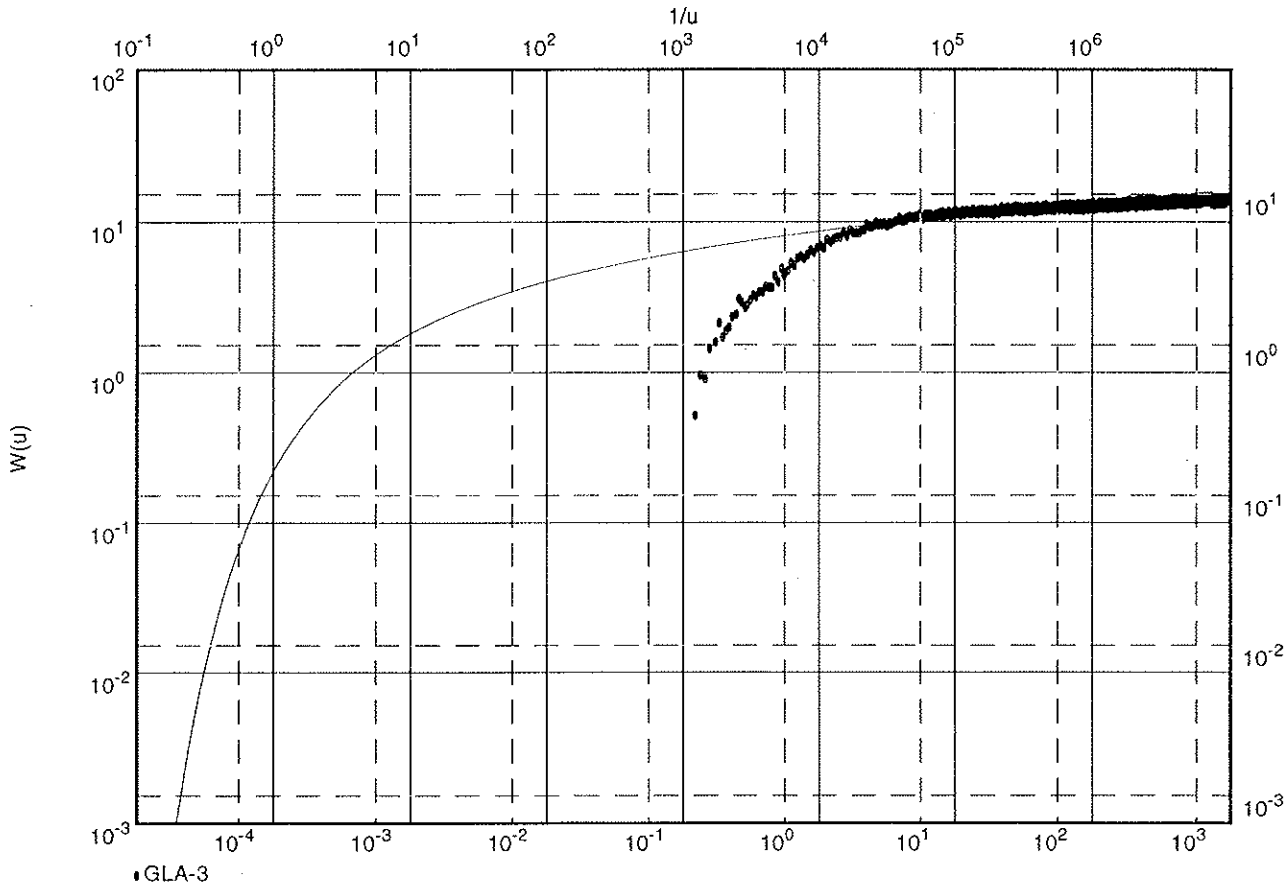
Hydraulic conductivity [ft/min]: 4.09×10^{-3}

Aquifer thickness [ft]: 60.00

Storativity: 8.87×10^{-8}

GeoLogic Associates 1360 Valley Vista Drive Diamond Bar, California (909) 860-3448	Pumping test analysis Theis analysis method Unconfined aquifer	Date: 08.12.2000	Page 1
		Project: Gregory Canyon Pump Test	
		Evaluated by: wbl	

Pumping Test No. 1	Test conducted on: 28.11.2000
GLA-3 (pumping well)	
Discharge 10.00 U.S.gal/min	



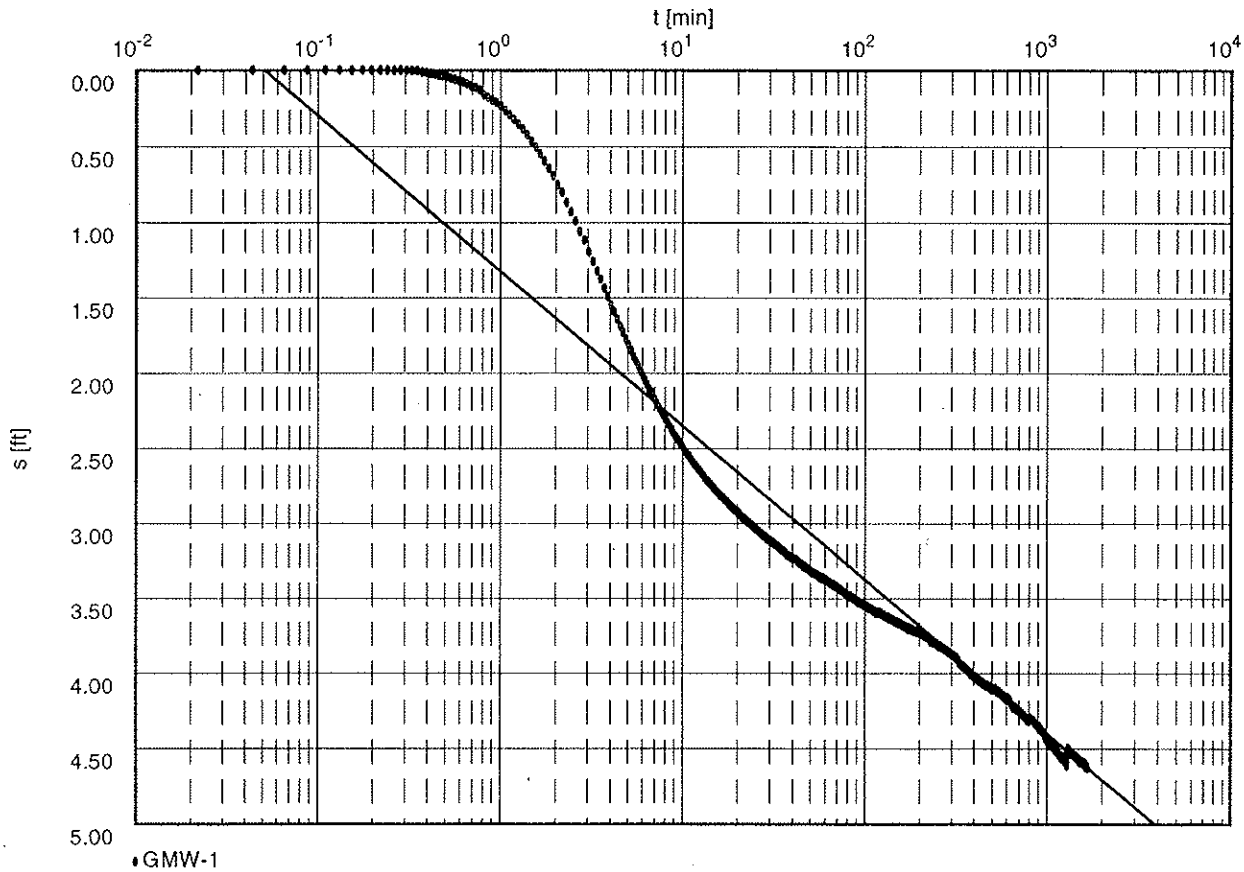
Transmissivity [ft²/min]: 1.61×10^{-1}

Hydraulic conductivity [ft/min]: 2.69×10^{-3}

Aquifer thickness [ft]: 60.00

GeoLogic Associates 1360 Valley Vista Drive Diamond Bar, California (909) 860-3448	Pumping test analysis Time-Drawdown-method after COOPER & JACOB Unconfined aquifer	Date: 08.12.2000 | Page 1 Project: Gregory Canyon Landfill Evaluated by: wbl

Pumping Test No. 1	Test conducted on: 28.11.2000
GMW-1 (observation)	
Discharge 10.00 U.S.gal/min	



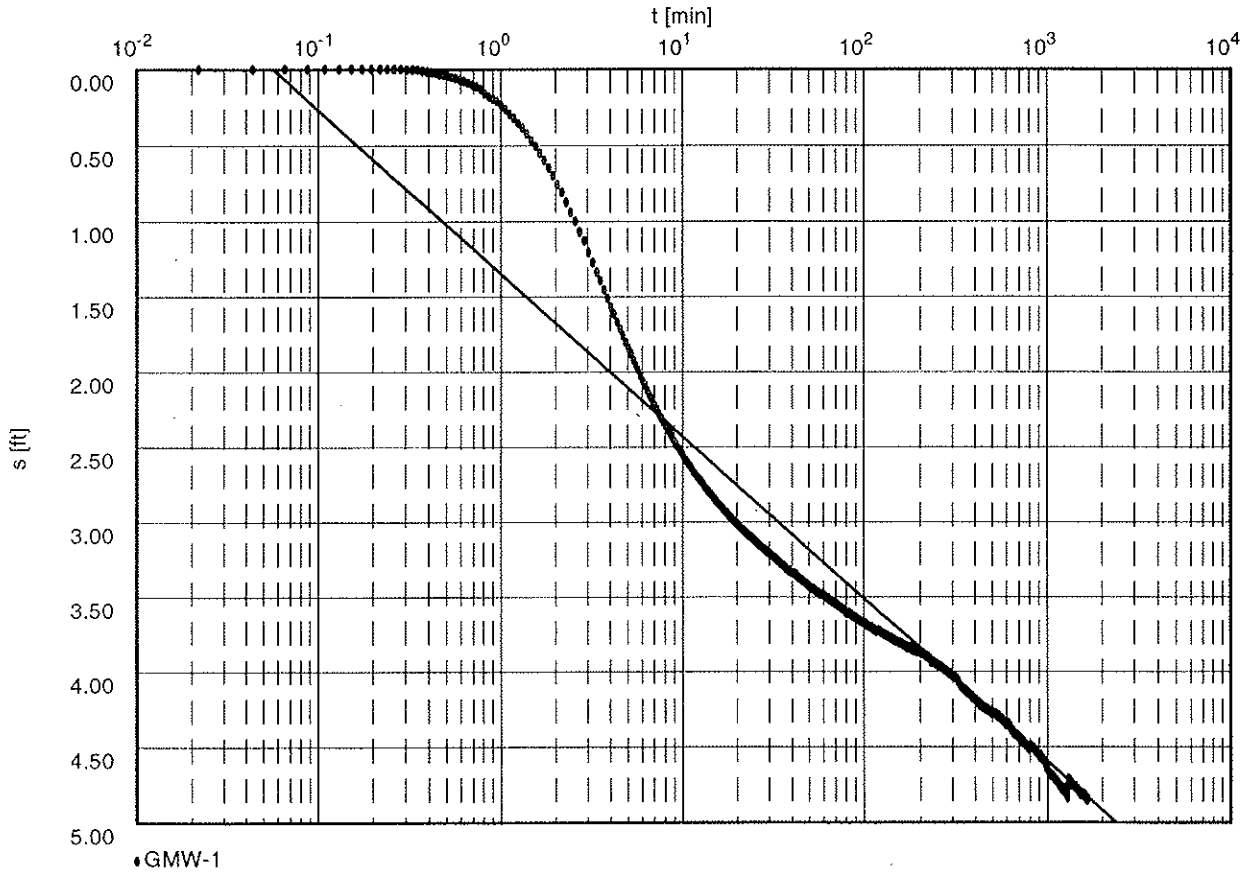
Transmissivity [ft²/min]: 2.38×10^{-1}

Hydraulic conductivity [ft/min]: 4.59×10^{-3}

Aquifer thickness [ft]: 52.00

GeoLogic Associates 1360 Valley Vista Drive Diamond Bar, California (909) 860-3448	Pumping test analysis Time-Drawdown-method after COOPER & JACOB Confined aquifer	Date: 08.12.2000	Page 1
		Project: Gregory Canyon Landfill	
		Evaluated by: wbl	

Pumping Test No. 1	Test conducted on: 28.11.2000
GMW-1 (observation)	
Discharge 10.00 U.S.gal/min	



Transmissivity [ft²/min]: 2.26×10^{-1}

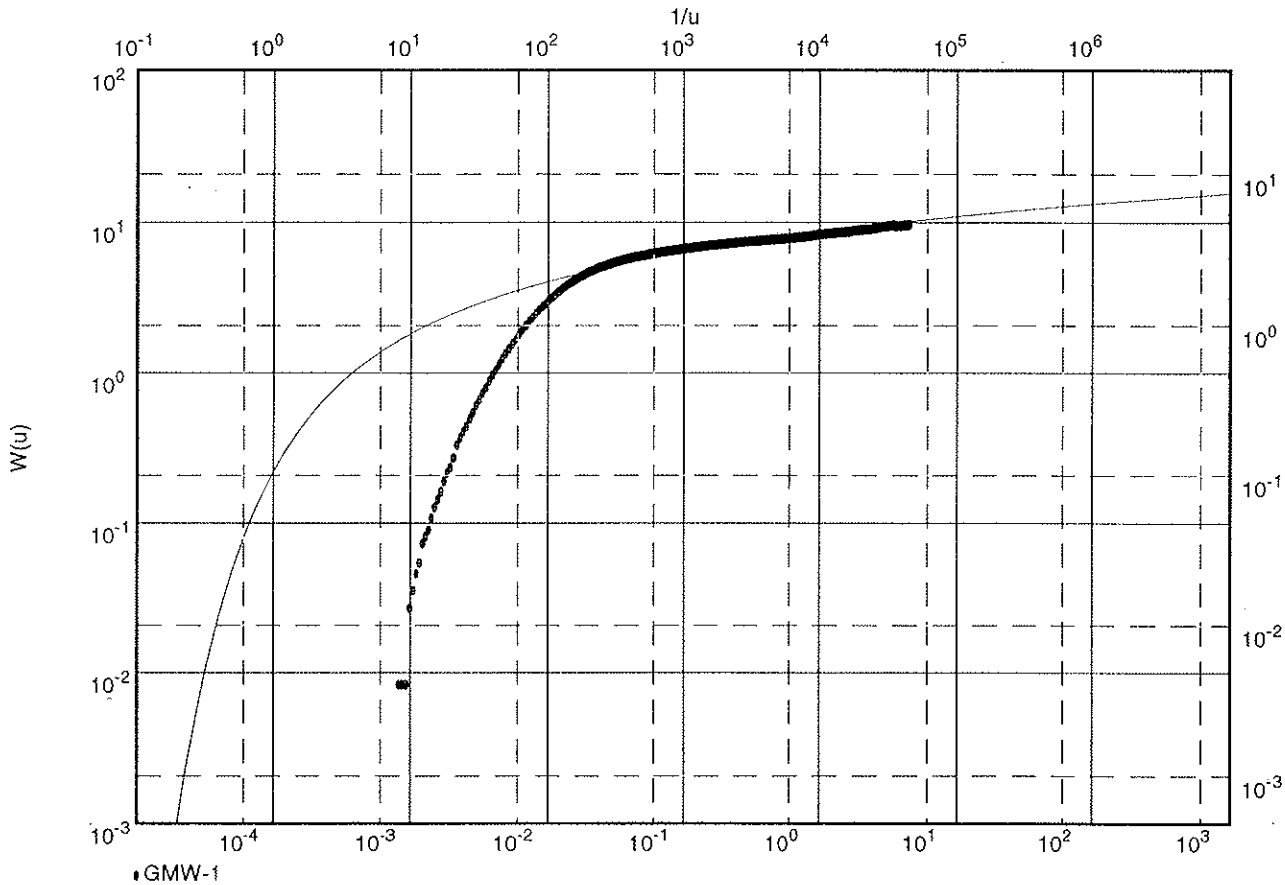
Hydraulic conductivity [ft/min]: 4.35×10^{-3}

Aquifer thickness [ft]: 52.00

Storativity: 1.28×10^{-4}

GeoLogic Associates 1360 Valley Vista Drive Diamond Bar, California (909) 860-3448	Pumping test analysis Theis analysis method Unconfined aquifer	Date: 08.12.2000	Page 1
		Project: Gregory Canyon Landfill	
		Evaluated by: wbl	

Pumping Test No. 1	Test conducted on: 28.11.2000
GMW-1 (observation)	
Discharge 10.00 U.S.gal/min	



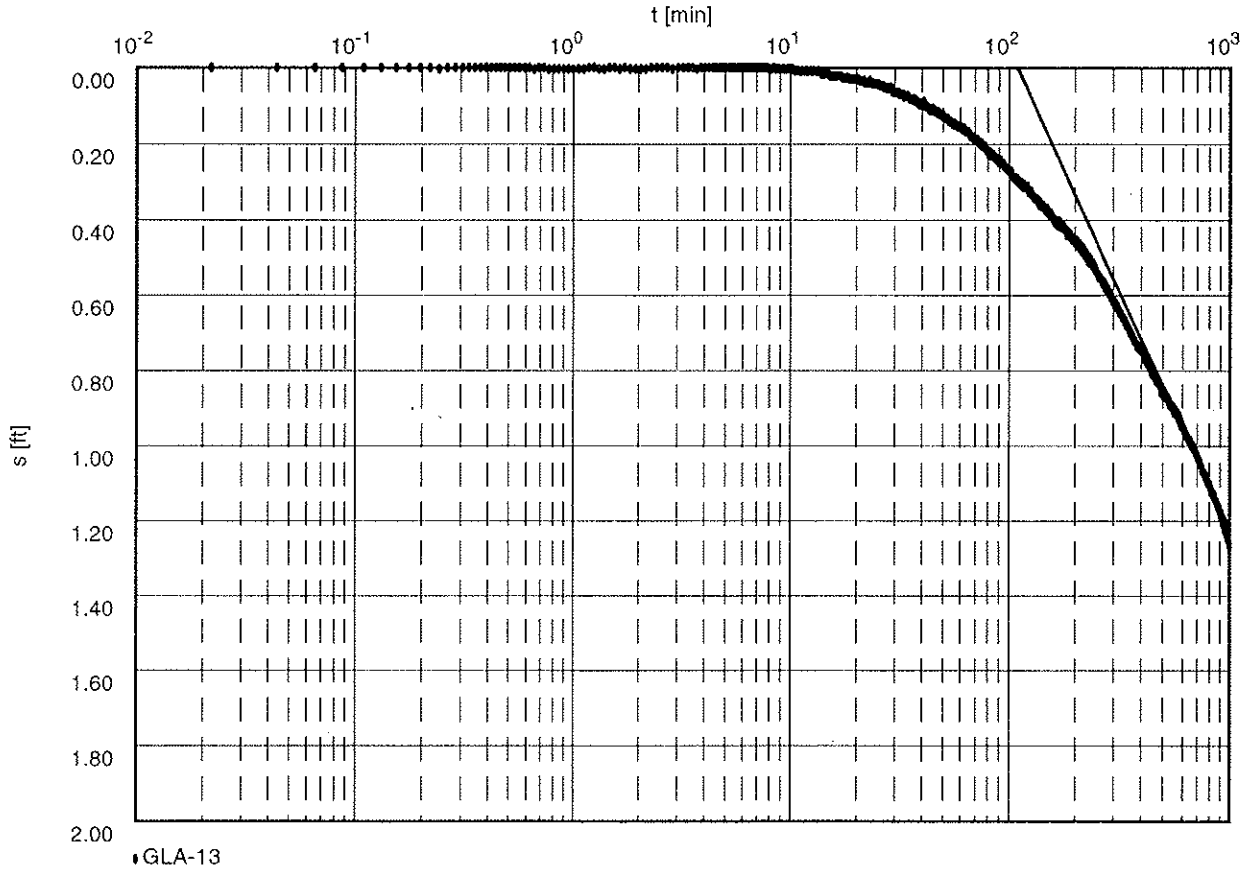
Transmissivity [ft²/min]: 2.20×10^{-1}

Hydraulic conductivity [ft/min]: 4.23×10^{-3}

Aquifer thickness [ft]: 52.00

GeoLogic Associates 1360 Valley Vista Drive Diamond Bar, California (909) 860-3448	Pumping test analysis Time-Drawdown-method after COOPER & JACOB Unconfined aquifer	Date: 08.12.2000 | Page 1 Project: Gregory Canyon Pump Test Evaluated by: wbl

Pumping Test No. 1	Test conducted on: 28.11.2000
GLA-13 (observation)	
Discharge 10.00 U.S.gal/min	



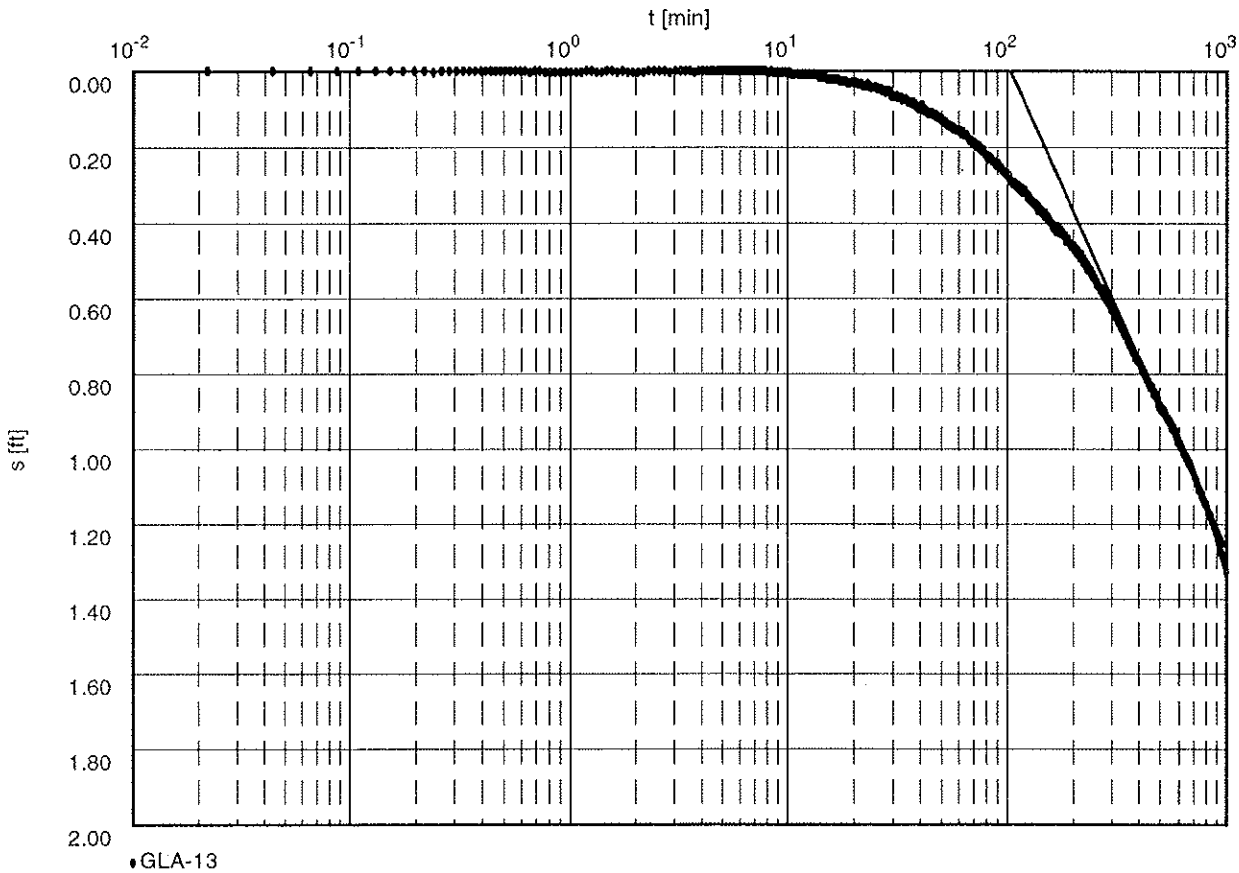
Transmissivity [ft²/min]: 1.92×10^{-1}

Hydraulic conductivity [ft/min]: 1.33×10^{-2}

Aquifer thickness [ft]: 14.50

GeoLogic Associates 1360 Valley Vista Drive Diamond Bar, California (909) 860-3448	Pumping test analysis Time-Drawdown-method after COOPER & JACOB Confined aquifer	Date: 08.12.2000 Page 1 Project: Gregory Canyon Pump Test Evaluated by: wbl

Pumping Test No. 1	Test conducted on: 28.11.2000
GLA-13 (observation)	
Discharge 10.00 U.S.gal/min	

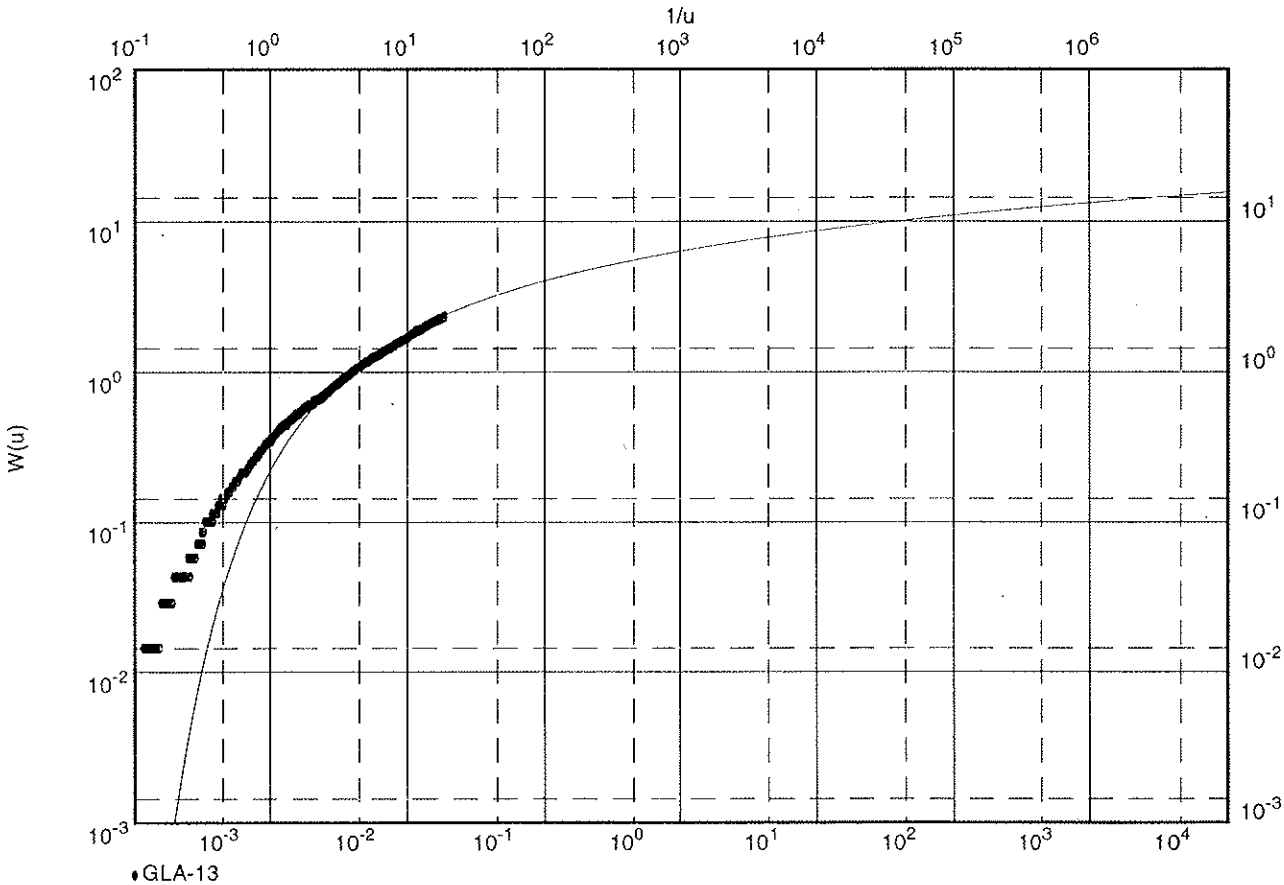


Transmissivity [ft²/min]: 1.90×10^{-1}

Storativity: 1.10×10^{-3}

GeoLogic Associates 1360 Valley Vista Drive Diamond Bar, California (909) 860-3448	Pumping test analysis Theis analysis method Unconfined aquifer	Date: 08.12.2000	Page 1
		Project: Gregory Canyon Pump Test	
		Evaluated by: wbl	

Pumping Test No. 1	Test conducted on: 28.11.2000
GLA-13 (observation)	
Discharge 10.00 U.S.gal/min	



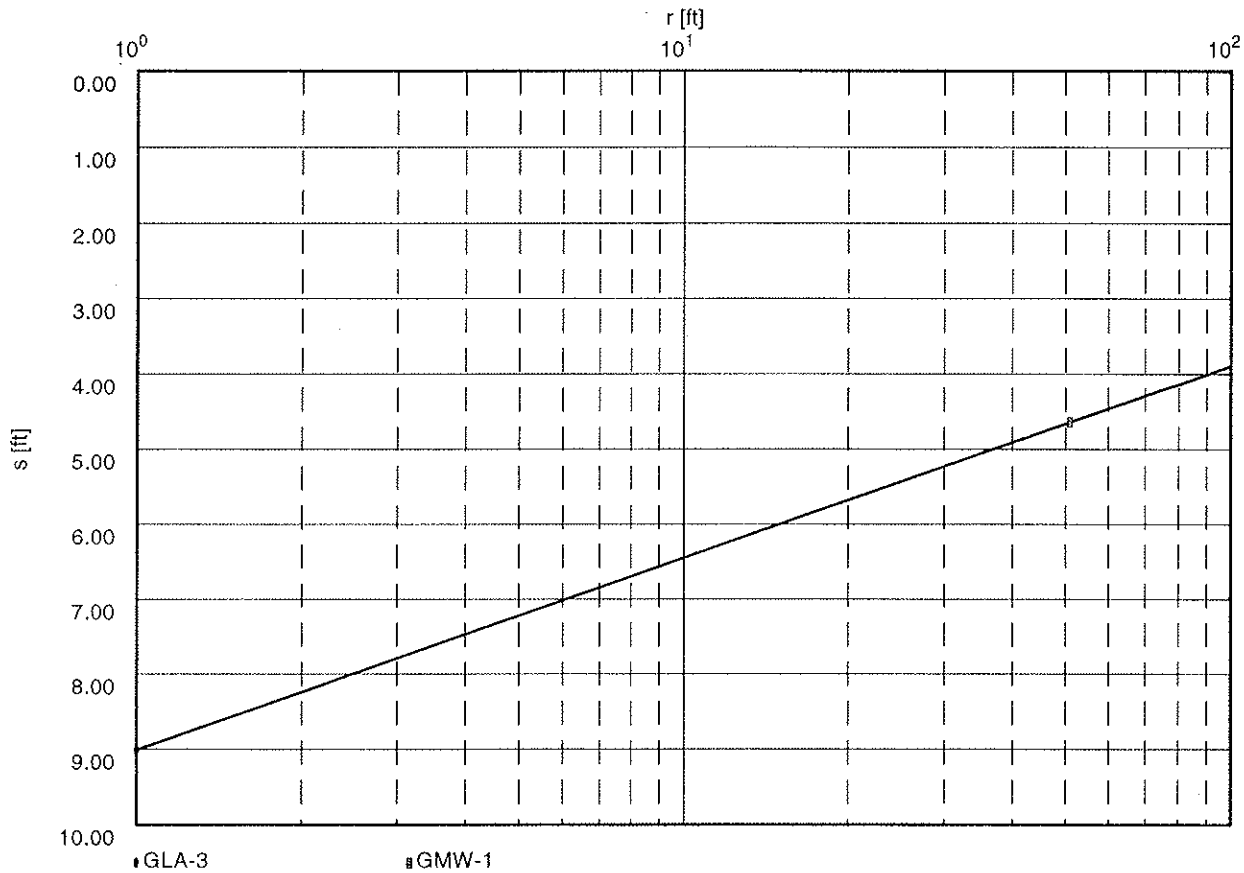
Transmissivity [ft²/min]: 1.52×10^{-1}

Hydraulic conductivity [ft/min]: 1.05×10^{-2}

Aquifer thickness [ft]: 14.50

GeoLogic Associates 1360 Valley Vista Drive Diamond Bar, California (909) 860-3448	Pumping test analysis Distance-Drawdown-method after COOPER & JACOB Unconfined aquifer	Date: 08.12.2000	Page 1
		Project: Gregory Canyon Pump Test	
		Evaluated by: wbl	

Pumping Test No. 1	Test conducted on: 28.11.2000
GLA-3 (pumping well)	
Discharge 10.00 U.S.gal/min	Analysis at time (t) 1600.00 min



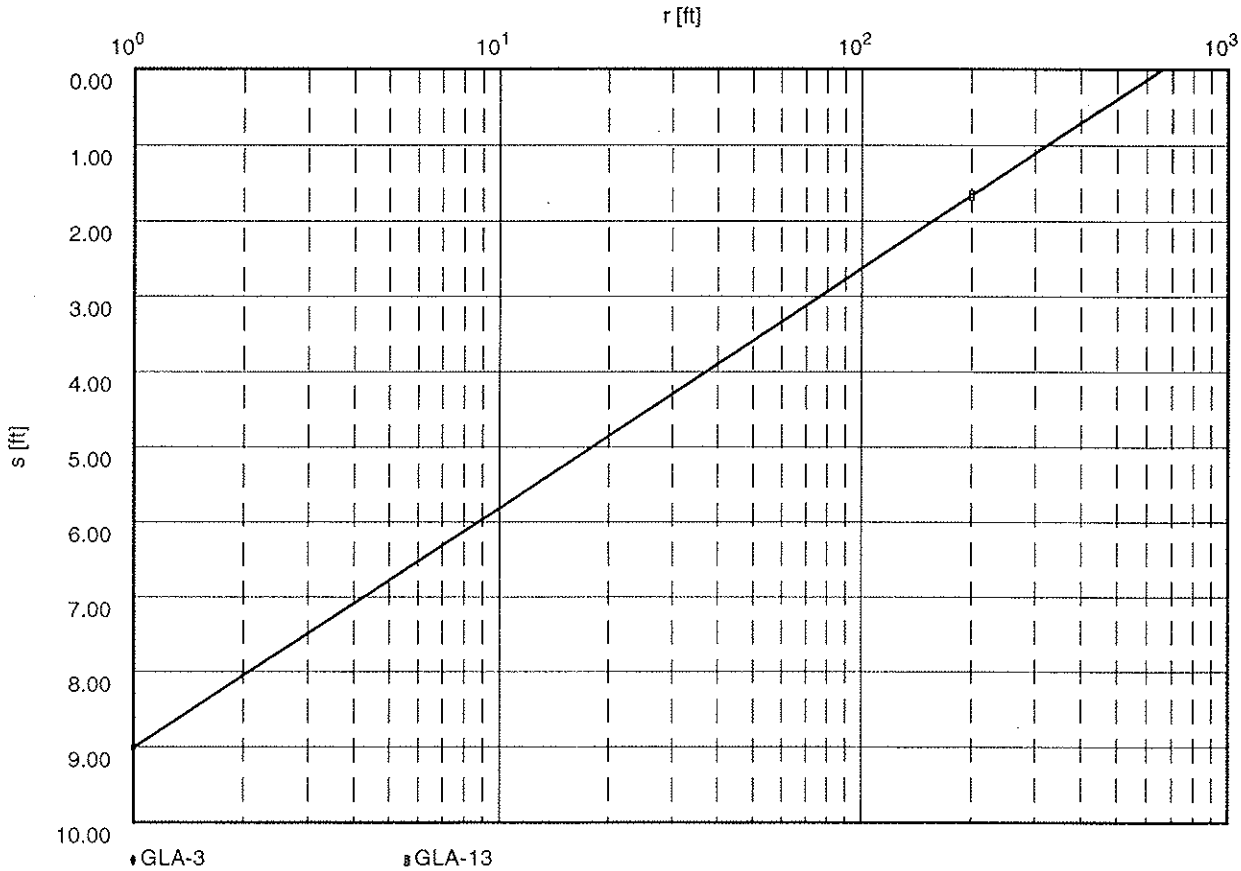
Transmissivity [ft²/min]: 1.91×10^{-1}

Hydraulic conductivity [ft/min]: 3.18×10^{-3}

Aquifer thickness [ft]: 60.00

GeoLogic Associates 1360 Valley Vista Drive Diamond Bar, California (909) 860-3448	Pumping test analysis Distance-Drawdown-method after COOPER & JACOB Unconfined aquifer	Date: 08.12.2000 | Page 1 Project: Gregory Canyon Pump Test Evaluated by: wbl

Pumping Test No. 1	Test conducted on: 28.11.2000
GLA-3 (pumping well)	
Discharge 10.00 U.S.gal/min	Analysis at time (t) 1600.00 min



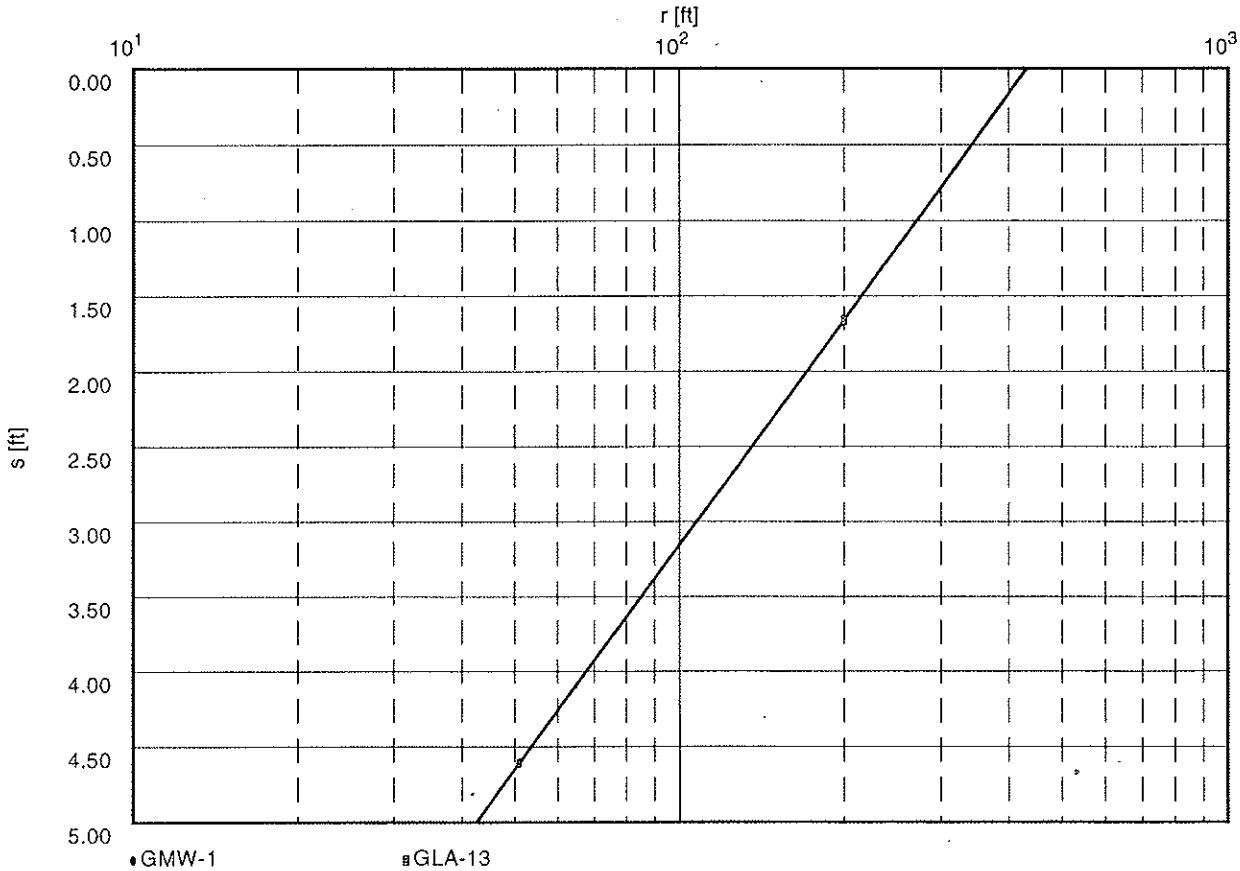
Transmissivity [ft²/min]: 1.53×10^{-1}

Hydraulic conductivity [ft/min]: 2.55×10^{-3}

Aquifer thickness [ft]: 60.00

GeoLogic Associates 1360 Valley Vista Drive Diamond Bar, California (909) 860-3448	Pumping test analysis Distance-Drawdown-method after COOPER & JACOB Unconfined aquifer	Date: 08.12.2000	Page 1
		Project: Gregory Canyon Pump Test	
		Evaluated by: wbl	

Pumping Test No. 1	Test conducted on: 28.11.2000
GLA-3 (pumping well)	
Discharge 10.00 U.S.gal/min	Analysis at time (t) 1600.00 min



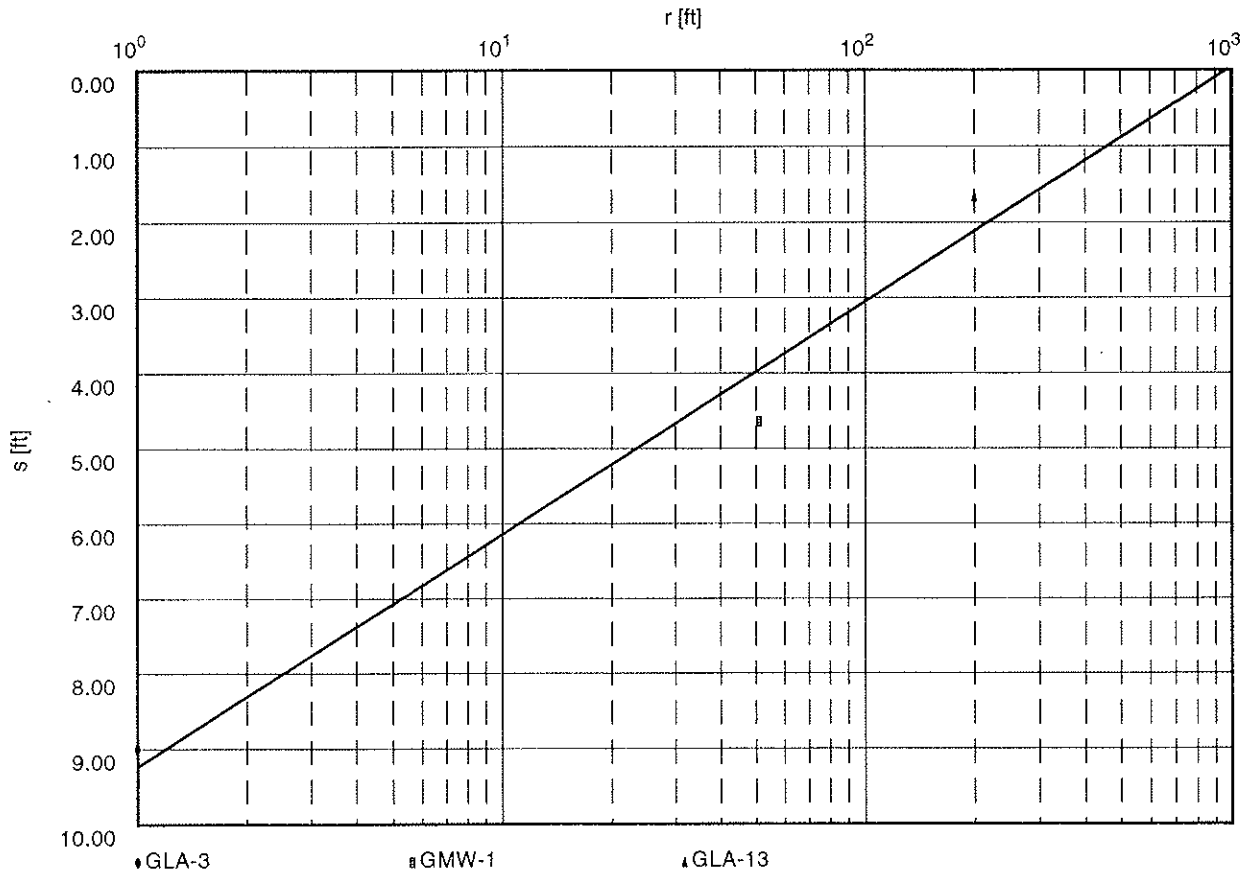
Transmissivity [ft²/min]: 9.84×10^{-2}

Hydraulic conductivity [ft/min]: 1.89×10^{-3}

Aquifer thickness [ft]: 52.00

GeoLogic Associates 1360 Valley Vista Drive Diamond Bar, California (909) 860-3448	Pumping test analysis Distance-Drawdown-method after COOPER & JACOB Unconfined aquifer	Date: 08.12.2000 | Page 1 Project: Gregory Canyon Pump Test Evaluated by: wbl

Pumping Test No. 1	Test conducted on: 28.11.2000
GLA-3 (pumping well)	
Discharge 10.00 U.S.gal/min	Analysis at time (t) 1600.00 min



Transmissivity [ft²/min]: 1.58×10^{-1}

Hydraulic conductivity [ft/min]: 2.63×10^{-3}

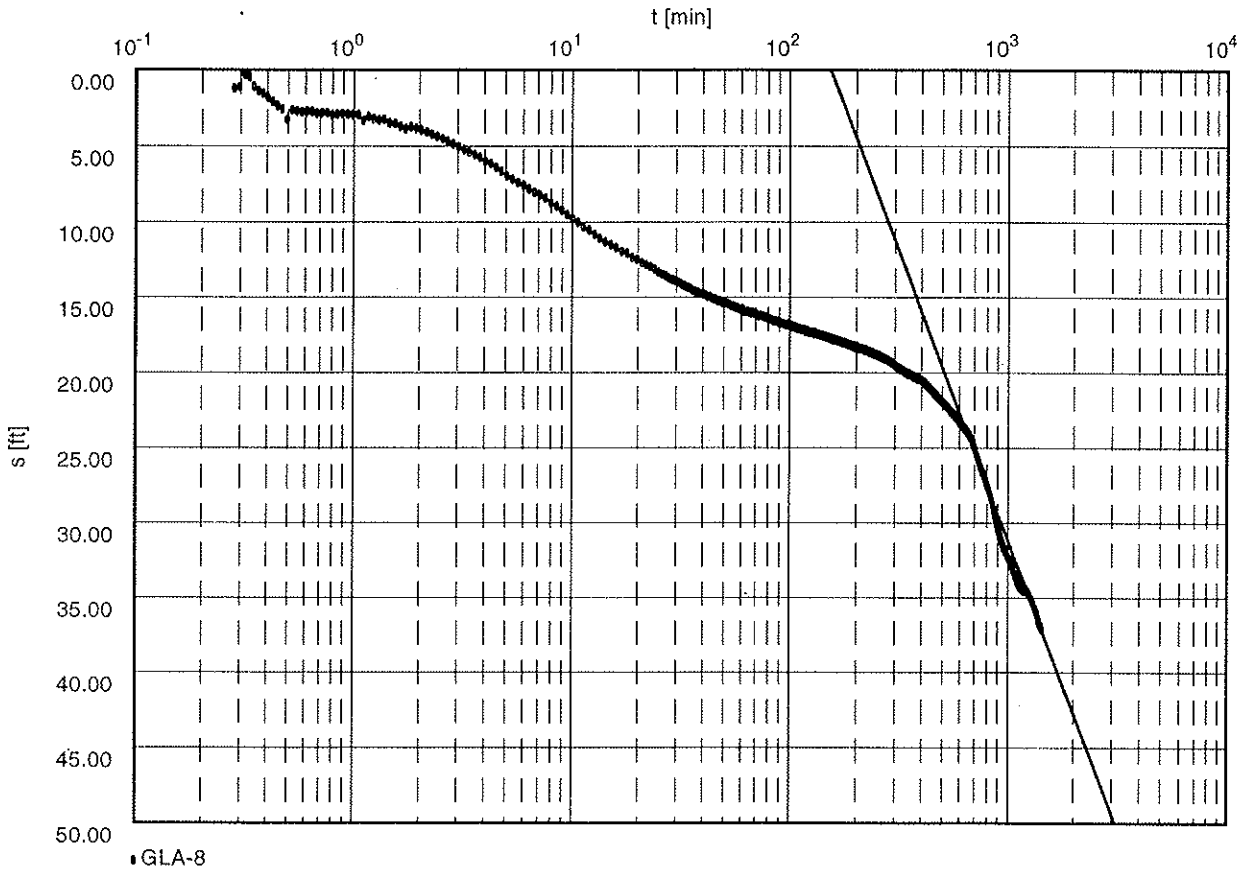
Aquifer thickness [ft]: 60.00

APPENDIX B

PUMP TEST #2 DATA

GeoLogic Associates 1360 Valley Vista Drive Diamond Bar, California (909) 860-3448	Pumping test analysis Time-Drawdown-method after COOPER & JACOB Unconfined aquifer	Date: 08.12.2000	Page 1
		Project: Gregory Canyon Landfill	
		Evaluated by: wbl	

Pumping Test No. 2	Test conducted on: 29.11.2000
GLA-8 (pumping well)	
Discharge 2.00 U.S.gal/min	



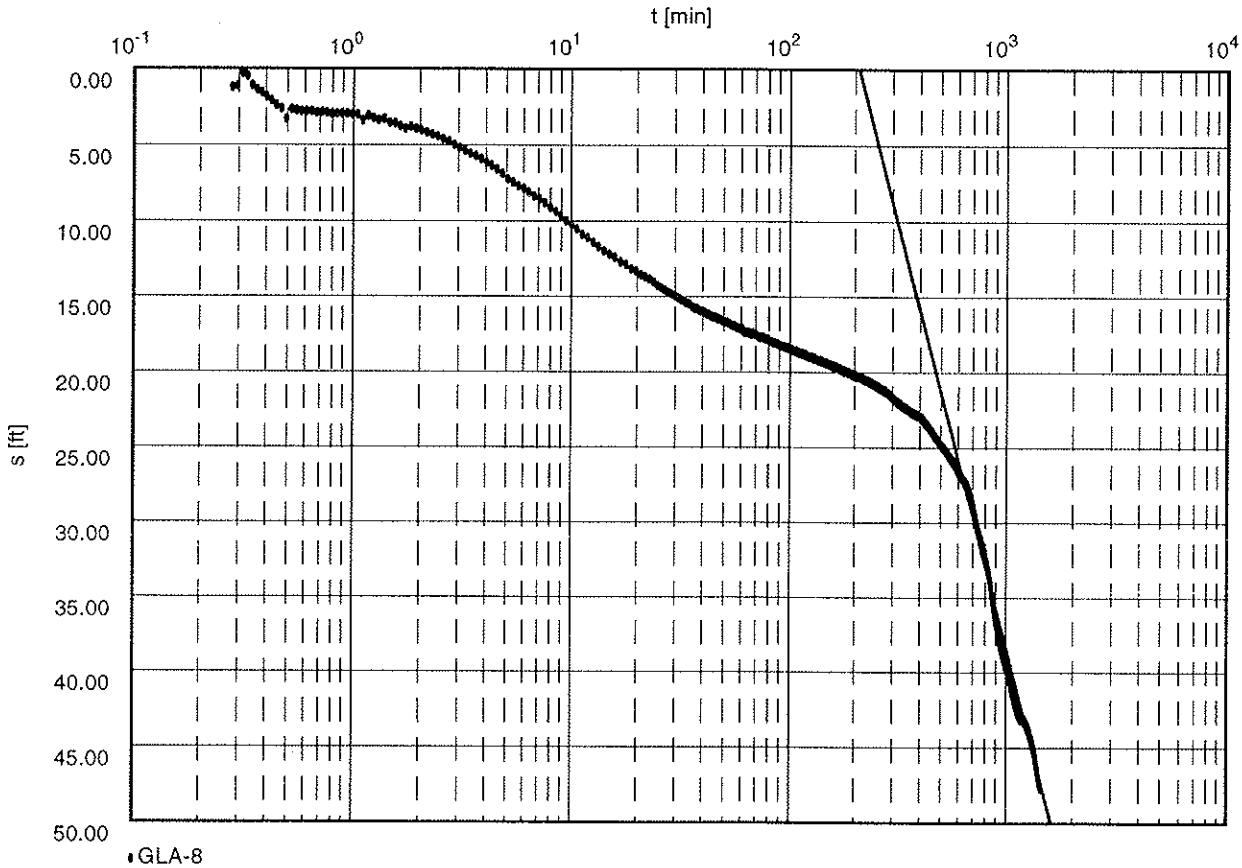
Transmissivity [ft²/min]: 1.28×10^{-3}

Hydraulic conductivity [ft/min]: 1.18×10^{-5}

Aquifer thickness [ft]: 108.00

GeoLogic Associates 1360 Valley Vista Drive Diamond Bar, California (909) 860-3448	Pumping test analysis Time-Drawdown-method after COOPER & JACOB Confined aquifer	Date: 08.12.2000	Page 1
		Project: Gregory Canyon Landfill	
		Evaluated by: wbl	

Pumping Test No. 2	Test conducted on: 29.11.2000
GLA-8 (pumping well)	
Discharge 2.00 U.S.gal/min	

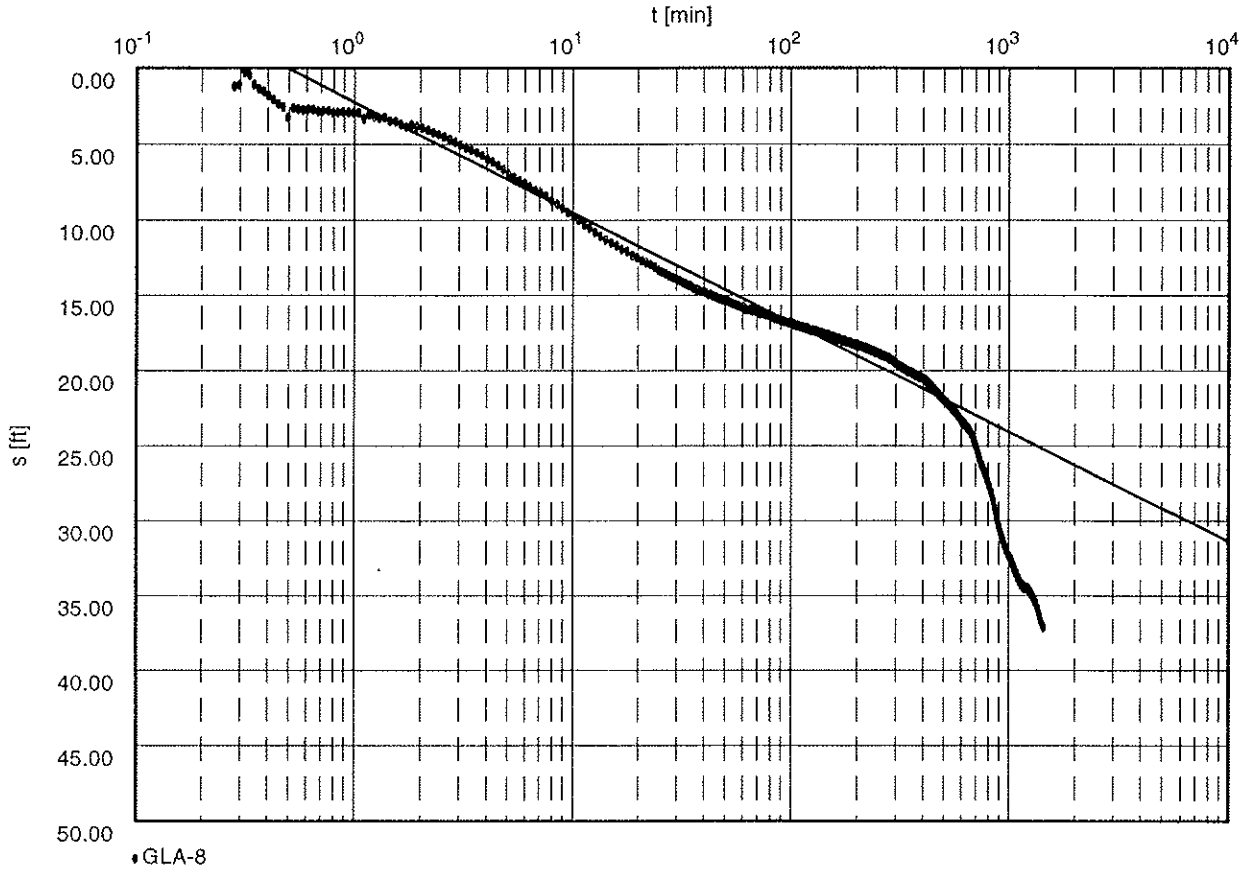


Transmissivity [ft²/min]: 8.68×10^{-4}

Storativity: 4.08×10^{-1}

GeoLogic Associates 1360 Valley Vista Drive Diamond Bar, California (909) 860-3448	Pumping test analysis Time-Drawdown-method after COOPER & JACOB Unconfined aquifer	Date: 08.12.2000	Page 1
		Project: Gregory Canyon Landfill	
		Evaluated by: wbl	

Pumping Test No. 2	Test conducted on: 29.11.2000
GLA-8 (pumping well)	
Discharge 2.00 U.S.gal/min	



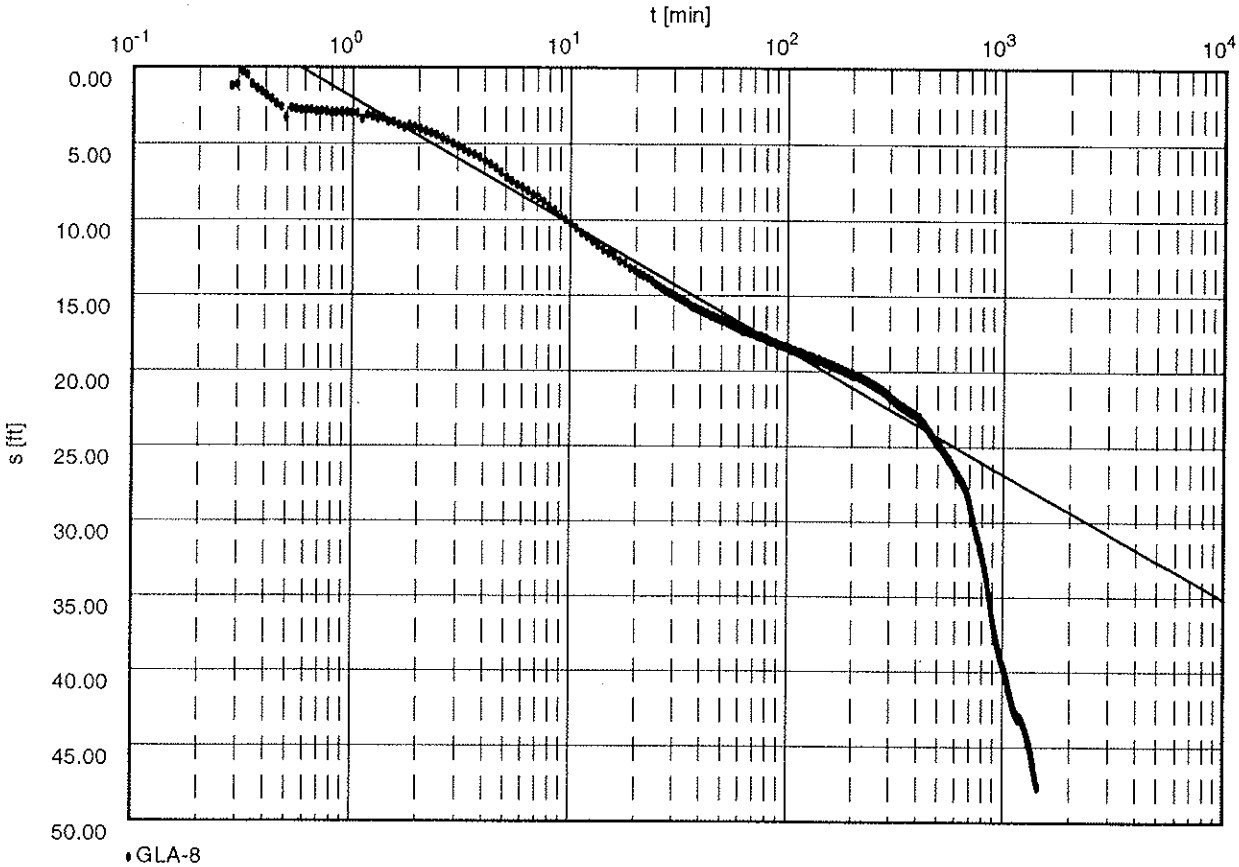
Transmissivity [ft²/min]: 6.72×10^{-3}

Hydraulic conductivity [ft/min]: 6.22×10^{-5}

Aquifer thickness [ft]: 108.00

GeoLogic Associates 1360 Valley Vista Drive Diamond Bar, California (909) 860-3448	Pumping test analysis Time-Drawdown-method after COOPER & JACOB Confined aquifer	Date: 08.12.2000	Page 1
		Project: Gregory Canyon Landfill	
		Evaluated by: wbl	

Pumping Test No. 2	Test conducted on: 29.11.2000
GLA-8 (pumping well)	
Discharge 2.00 U.S.gal/min	

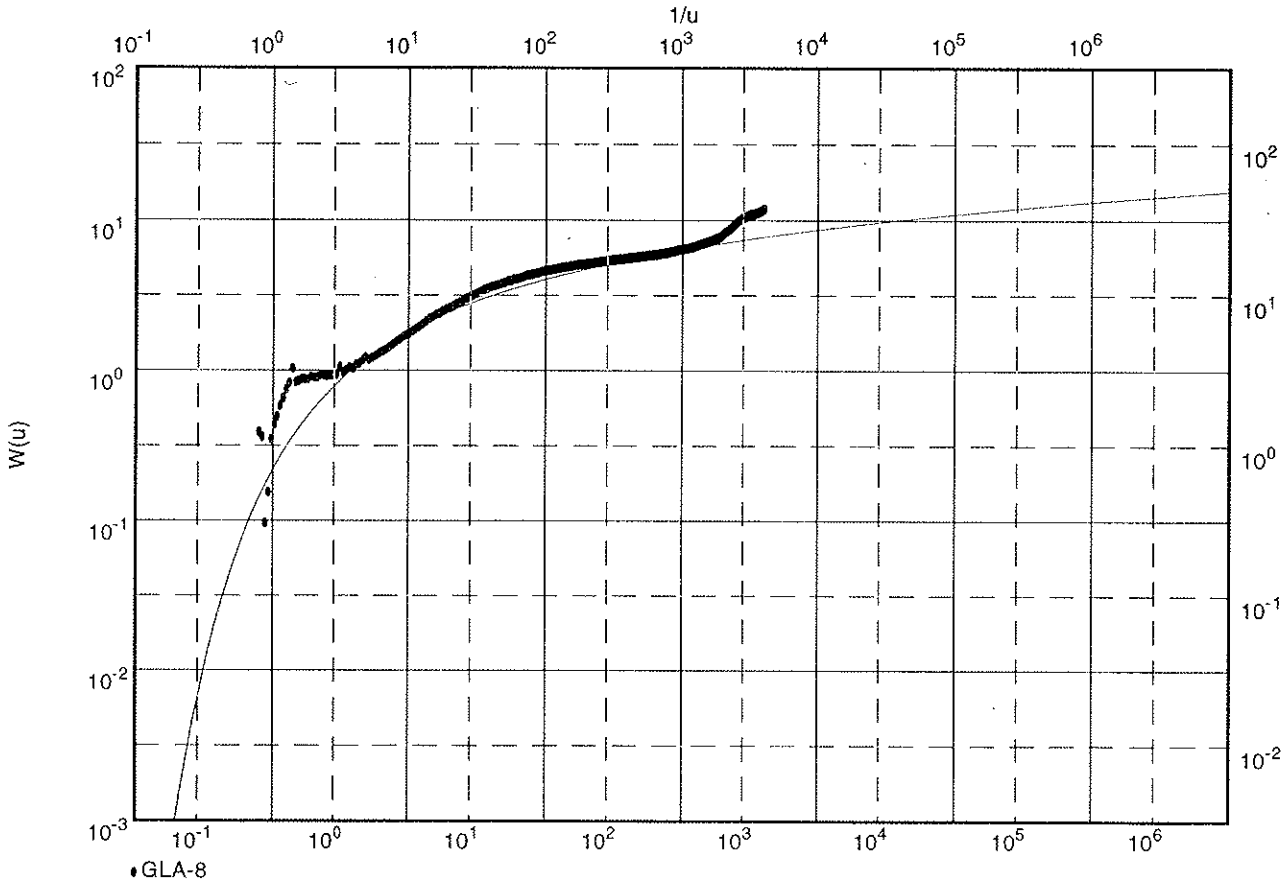


Transmissivity [ft²/min]: 5.90×10^{-3}

Storativity: 7.63×10^{-3}

GeoLogic Associates 1360 Valley Vista Drive Diamond Bar, California (909) 860-3448	Pumping test analysis Theis analysis method Unconfined aquifer	Date: 08.12.2000	Page 1
		Project: Gregory Canyon Landfill	
		Evaluated by: wbl	

Pumping Test No. 2	Test conducted on: 29.11.2000
GLA-8 (pumping well)	
Discharge 2.00 U.S.gal/min	



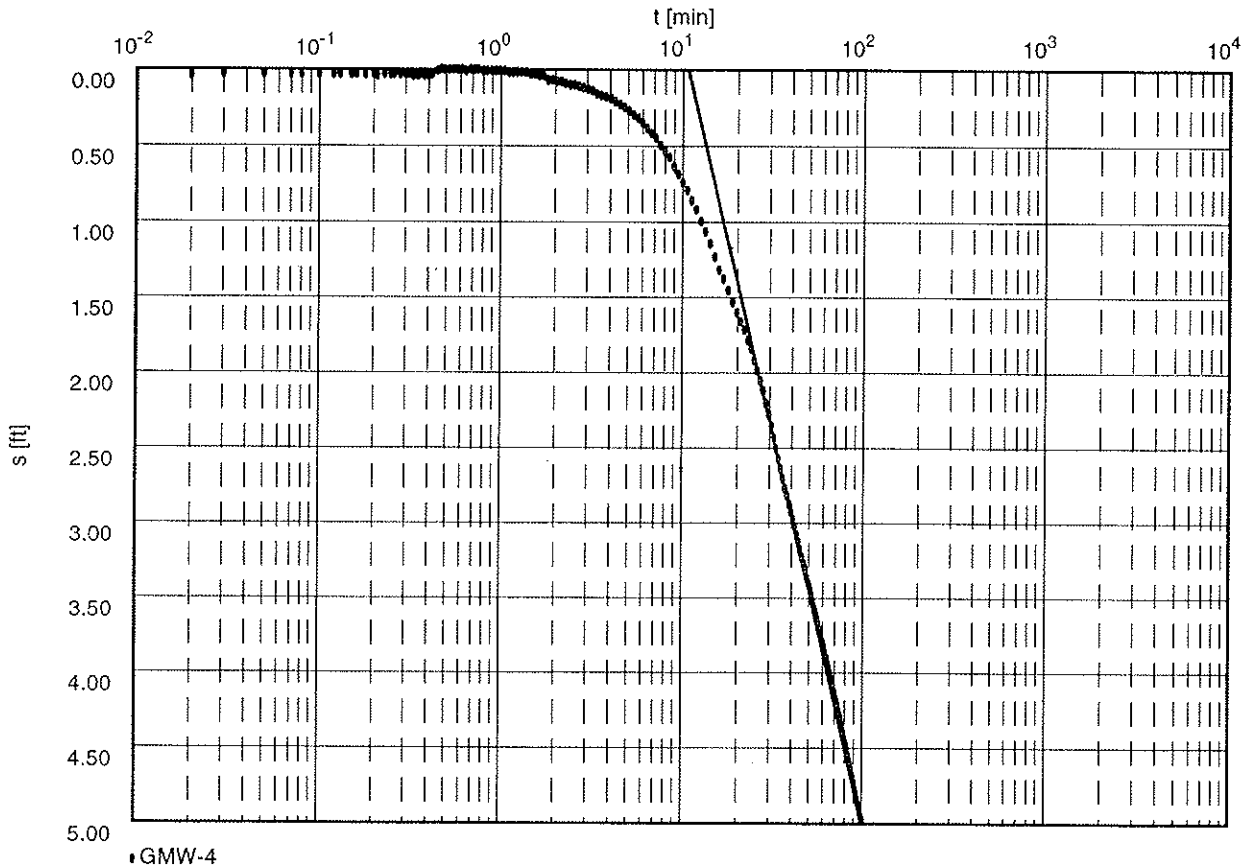
Transmissivity [ft²/min]: 6.72×10^{-3}

Hydraulic conductivity [ft/min]: 6.22×10^{-5}

Aquifer thickness [ft]: 108.00

GeoLogic Associates 1360 Valley Vista Drive Diamond Bar, California (909) 860-3448	Pumping test analysis Time-Drawdown-method after COOPER & JACOB Unconfined aquifer	Date: 08.12.2000 | Page 1 Project: Gregory Canyon Pump Test Evaluated by: wbl

Pumping Test No. 2	Test conducted on: 29.11.2000
GMW-4 (observation)	
Discharge 2.00 U.S.gal/min	



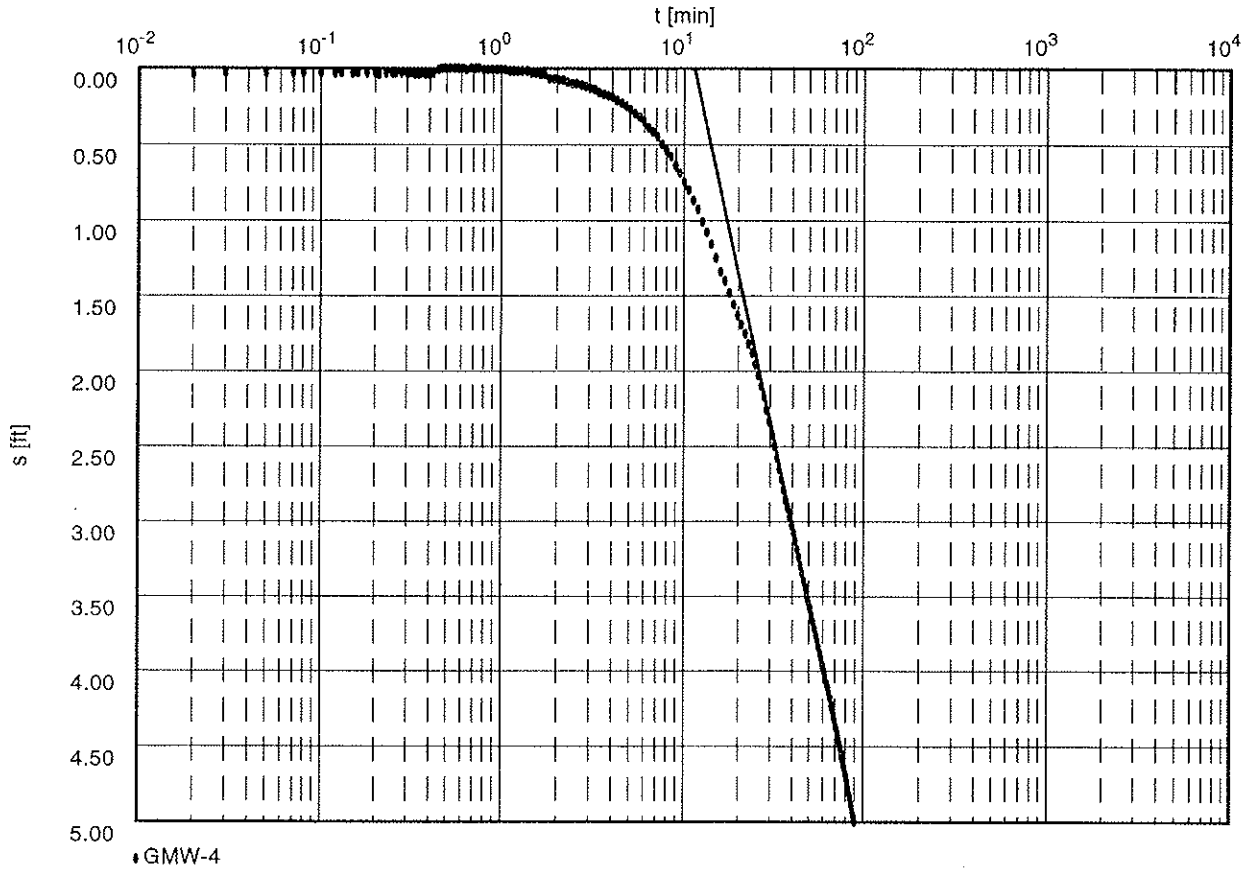
Transmissivity [ft²/min]: 9.47×10^{-3}

Hydraulic conductivity [ft/min]: 2.06×10^{-4}

Aquifer thickness [ft]: 46.00

GeoLogic Associates 1360 Valley Vista Drive Diamond Bar, California (909) 860-3448	Pumping test analysis Time-Drawdown-method after COOPER & JACOB Confined aquifer	Date: 08.12.2000 | Page 1 Project: Gregory Canyon Pump Test Evaluated by: wbl

Pumping Test No. 2	Test conducted on: 29.11.2000
GMW-4 (observation)	
Discharge 2.00 U.S.gal/min	

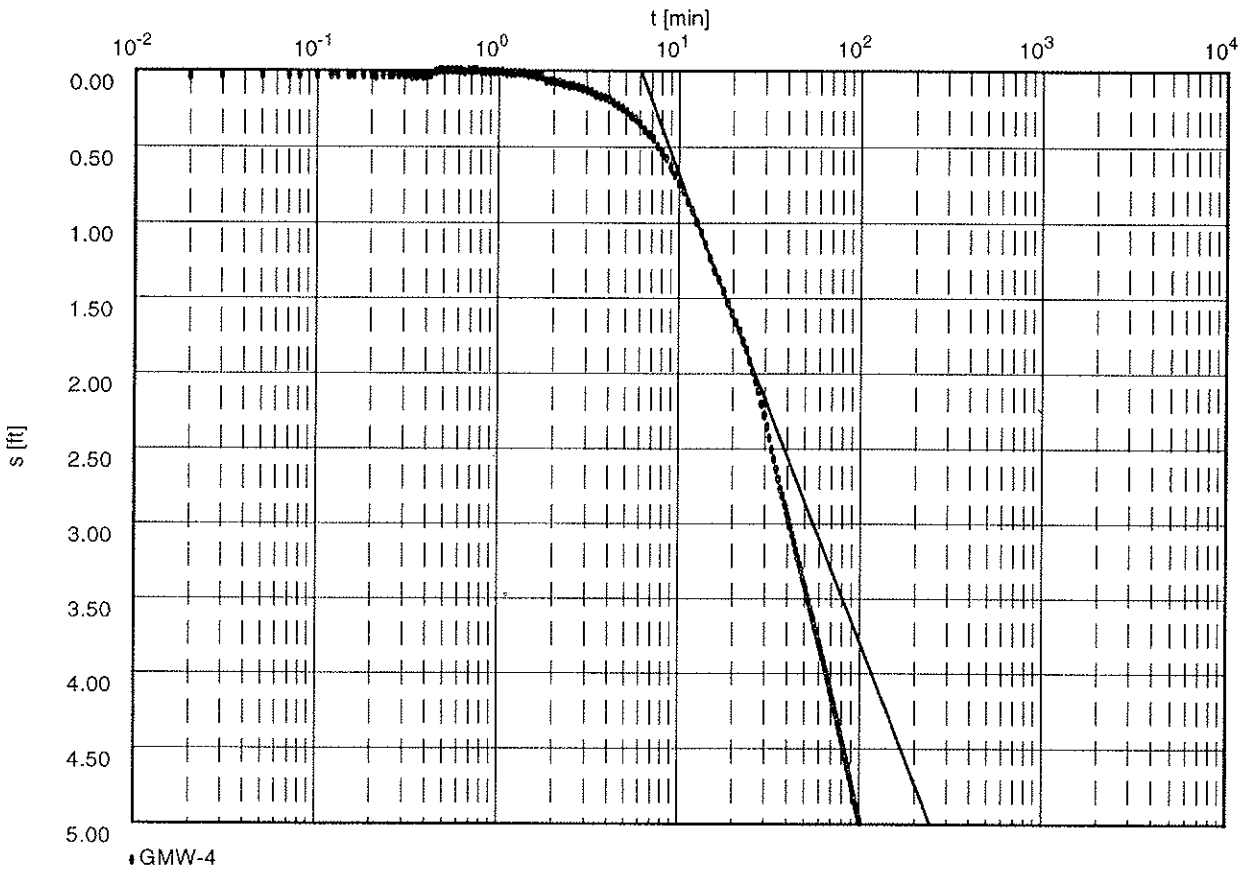


Transmissivity [ft²/min]: 8.84×10^{-3}

Storativity: 1.00×10^{-3}

GeoLogic Associates 1360 Valley Vista Drive Diamond Bar, California (909) 860-3448	Pumping test analysis Time-Drawdown-method after COOPER & JACOB Unconfined aquifer	Date: 08.12.2000	Page 1
		Project: Gregory Canyon Pump Test	
		Evaluated by: wbl	

Pumping Test No. 2	Test conducted on: 29.11.2000
GMW-4 (observation)	
Discharge 2.00 U.S.gal/min	



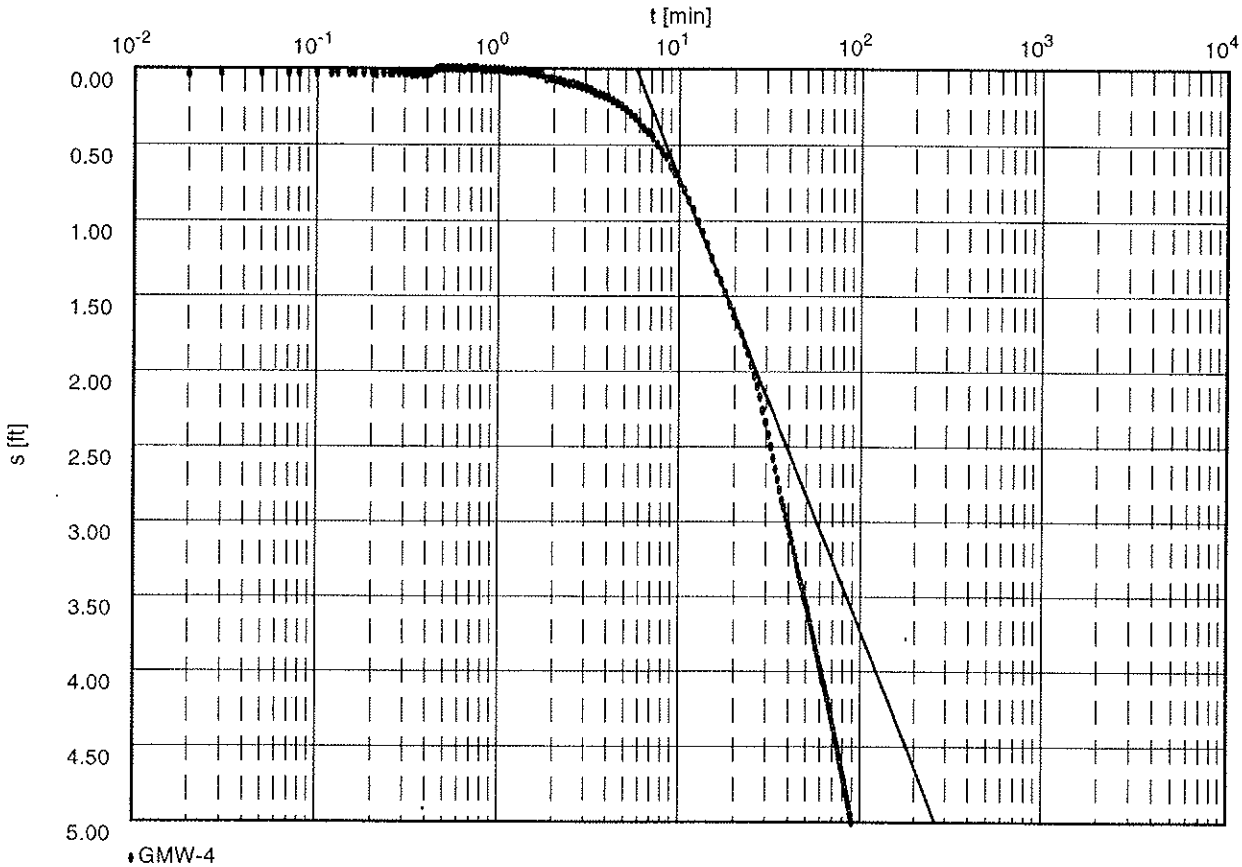
Transmissivity [ft²/min]: 1.56×10^{-2}

Hydraulic conductivity [ft/min]: 3.41×10^{-4}

Aquifer thickness [ft]: 46.00

GeoLogic Associates 1360 Valley Vista Drive Diamond Bar, California (909) 860-3448	Pumping test analysis Time-Drawdown-method after COOPER & JACOB Confined aquifer	Date: 08.12.2000	Page 1
		Project: Gregory Canyon Pump Test	
		Evaluated by: wbl	

Pumping Test No. 2	Test conducted on: 29.11.2000
GMW-4 (observation)	
Discharge 2.00 U.S.gal/min	

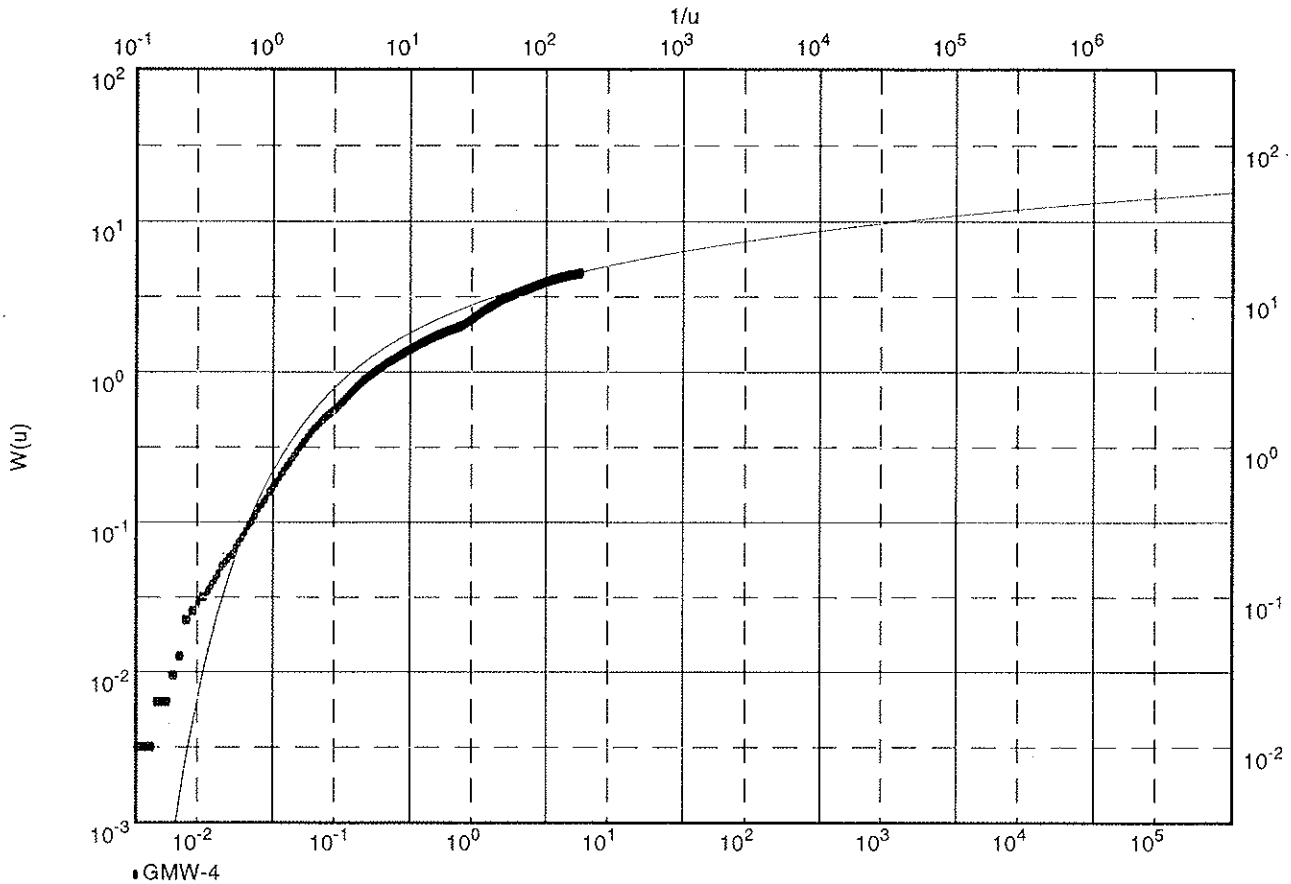


Transmissivity [ft²/min]: 1.62×10^{-2}

Storativity: 9.37×10^{-4}

GeoLogic Associates 1360 Valley Vista Drive Diamond Bar, California (909) 860-3448	Pumping test analysis Theis analysis method Unconfined aquifer	Date: 08.12.2000	Page 1
		Project: Gregory Canyon Pump Test	
		Evaluated by: wbl	

Pumping Test No. 2	Test conducted on: 29.11.2000
GMW-4 (observation)	
Discharge 2.00 U.S.gal/min	



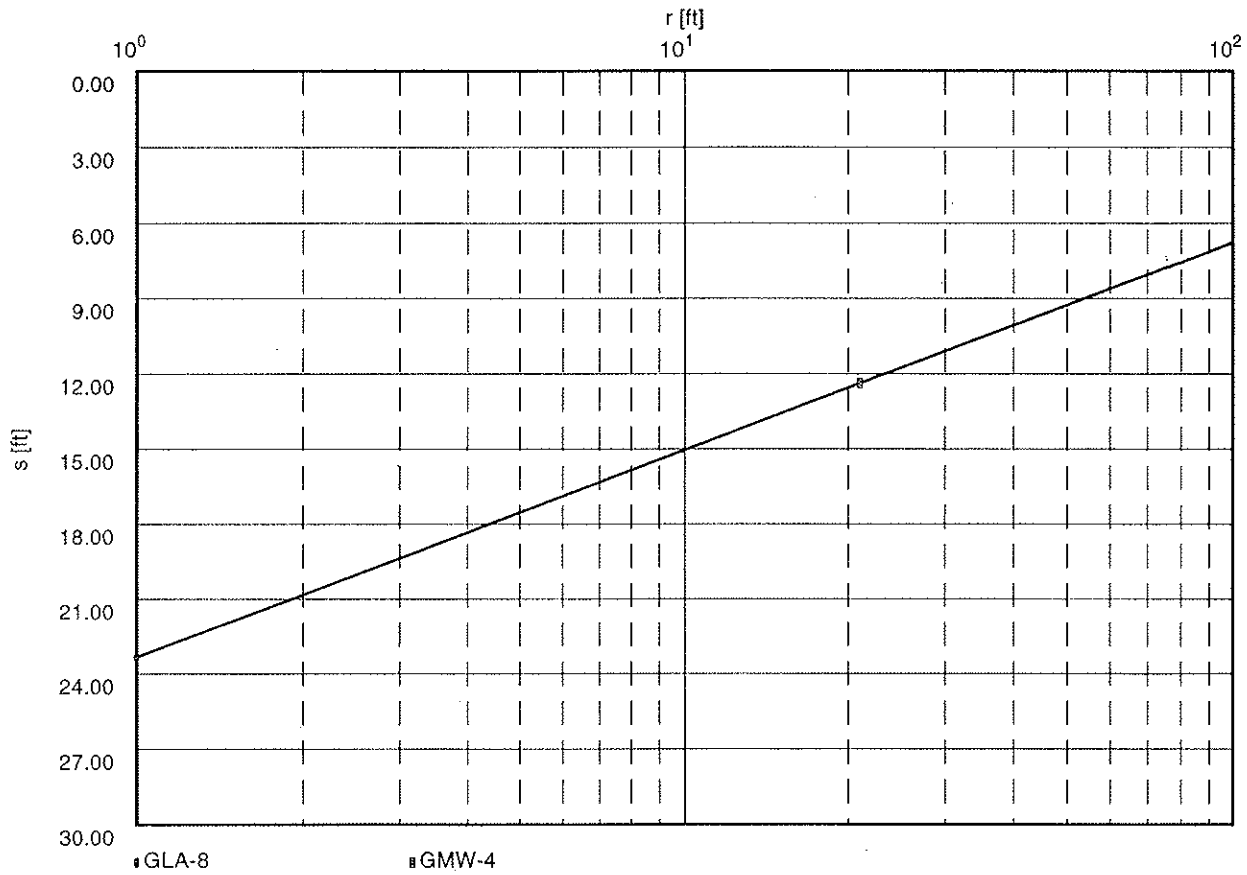
Transmissivity [ft²/min]: 6.72×10^{-3}

Hydraulic conductivity [ft/min]: 1.46×10^{-4}

Aquifer thickness [ft]: 46.00

GeoLogic Associates 1360 Valley Vista Drive Diamond Bar, California (909) 860-3448	Pumping test analysis Distance-Drawdown-method after COOPER & JACOB Unconfined aquifer	Date: 12.12.2000	Page 1
		Project: Gregory Canyon Pump Test	
		Evaluated by: wbl	

Pumping Test No. 2	Test conducted on: 11.29.2000
GLA-8 (pumping well)	
Discharge 2.00 U.S.gal/min	Analysis at time (t) 600.00 min



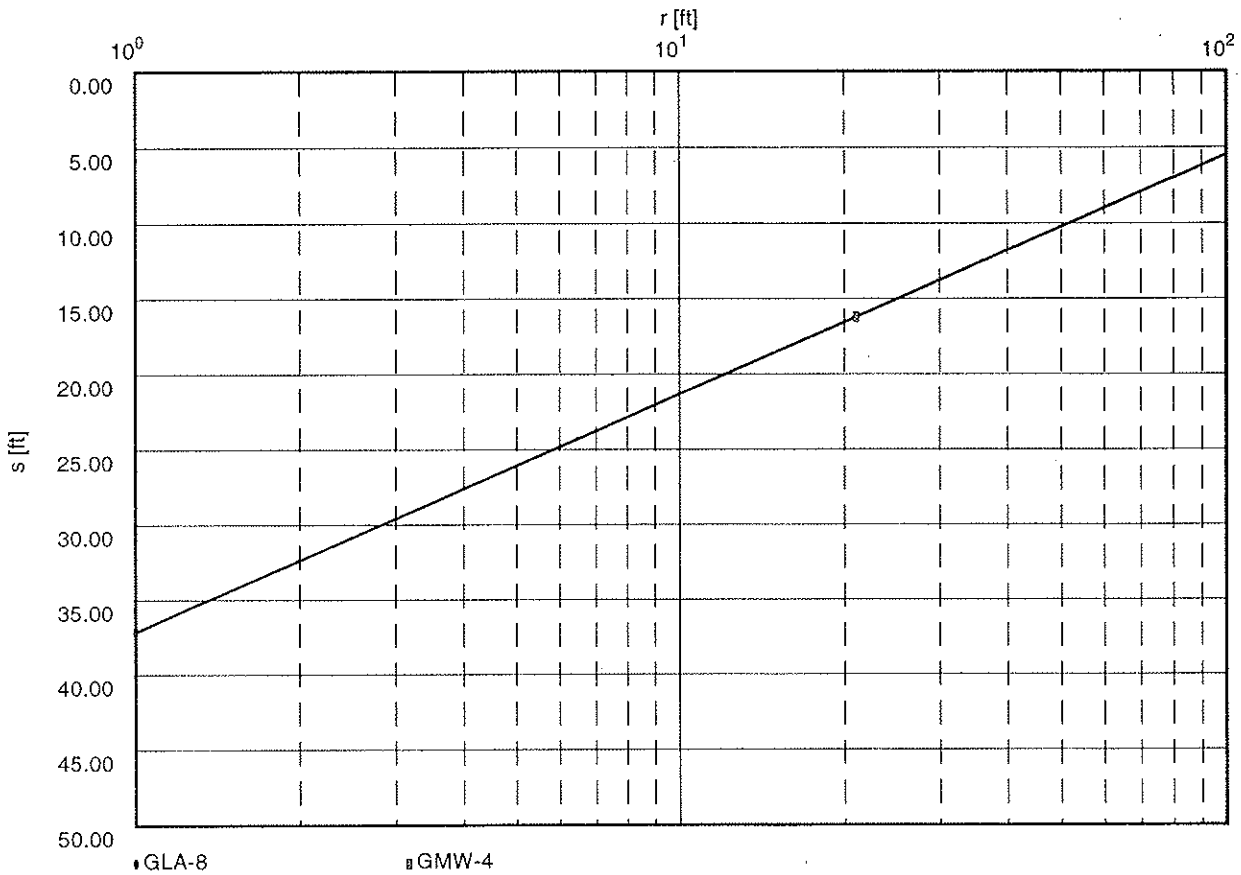
Transmissivity [ft²/min]: 1.18×10^{-2}

Hydraulic conductivity [ft/min]: 1.09×10^{-4}

Aquifer thickness [ft]: 108.00

GeoLogic Associates 1360 Valley Vista Drive Diamond Bar, California (909) 860-3448	Pumping test analysis Distance-Drawdown-method after COOPER & JACOB Unconfined aquifer	Date: 12.12.2000	Page 1
		Project: Gregory Canyon Pump Test	
		Evaluated by: wbl	

Pumping Test No. 2	Test conducted on: 11.29.2000
GLA-8 (pumping well)	
Discharge 2.00 U.S.gal/min	Analysis at time (t) 1440.00 min



Transmissivity [ft²/min]: 6.18×10^{-3}

Hydraulic conductivity [ft/min]: 5.72×10^{-5}

Aquifer thickness [ft]: 108.00