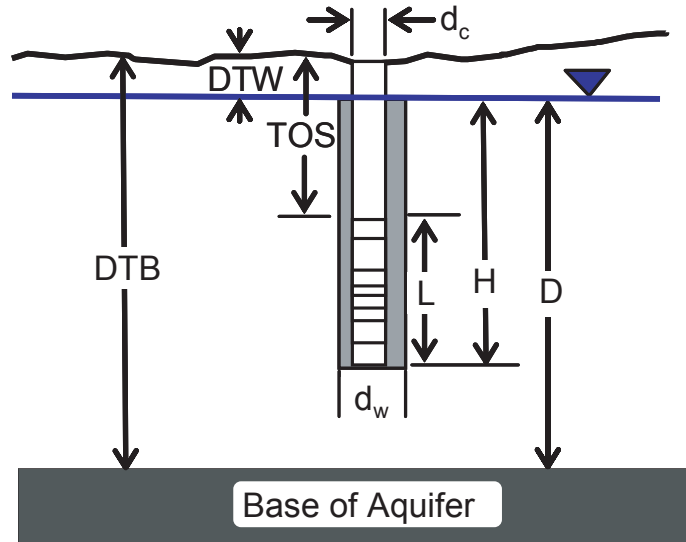


**Appendix—Summary of slug-test analyses for wells in the vicinity
of Cattlemans detention basin, South Lake Tahoe, California**

Definition of terms as defined by Halford and Kuniansky, 2002.



Values entered for each well

d_c	casing diameter
d_w	well diameter
L	screen length
DTW	depth to water below land surface
DTB	depth to base of aquifer below land surface
TOS	depth to top of screen below land surface
D	depth to base of aquifer below water table
H	depth of water in well to base of screen

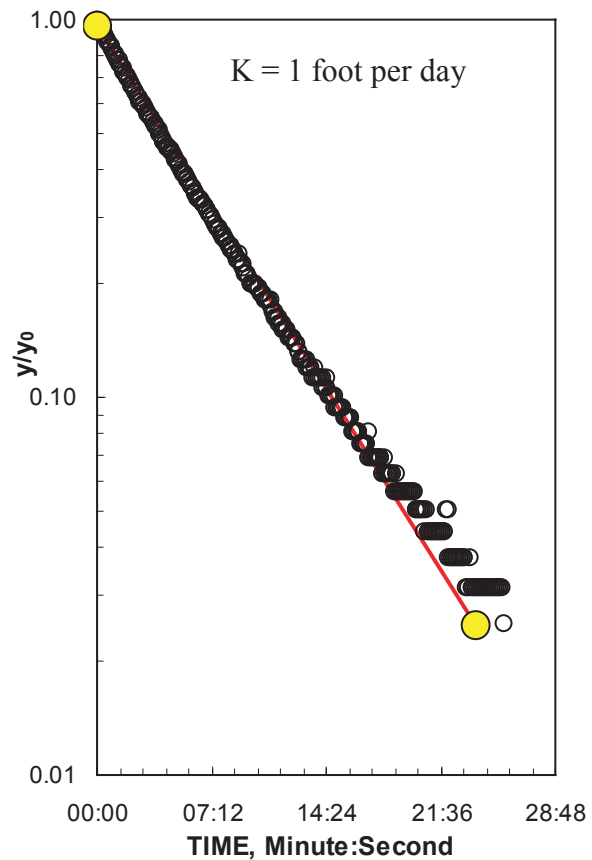
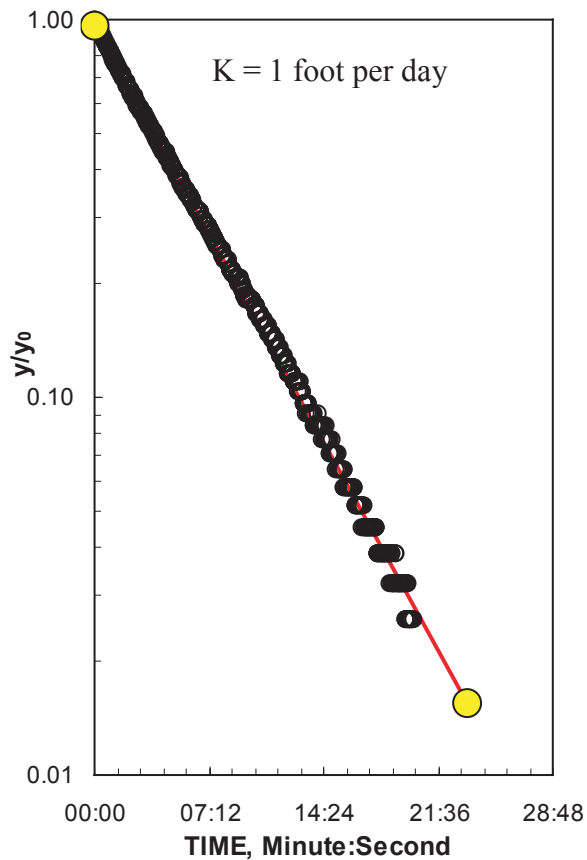
Values calculated by program

r_w	well radius
y_o -displacement	measured difference between first water level inside well immediately following slug and static water table outside well
y_o slug	expected difference between first water level inside well immediately following slug and static water table outside well
Re	effective radial distance over which y is dissipated
$L_{wettered}$	equal to H when depth to water below land surface is less than depth to screen below land surface and equal to L when depth to water is within screened interval

Summary of slug test analyses for well cc1.

Construction:	
Casing diameter (d_c)	2 Inch
Annulus diameter (d_w)	4 Inch
Screen Length (L)	1 Foot
Depths to:	
water level (DTW)	2.99 Feet
top of screen (TOS)	4.05 Feet
Base of Aquifer (DTB)	15 Feet
Annular Fill:	
across screen --	Coarse Sand
above screen --	Silica flour
Aquifer Material -- Fine Sand	

L_{wetted}	1 Foot
D =	12.01 Feet
H =	2.06 Feet
L/r_w =	6.00
y_0 -DISPLACEMENT =	1.55 Feet
y_0 -SLUG =	1.63 Feet
From look-up table using L/r_w	
Partial penetrate A =	1.766
B =	0.247
$\ln(Re/r_w)$ =	1.111
Re =	0.51 Feet
Slope =	0.001278 \log_{10}/sec
$t_{90\%}$ recovery =	783 sec

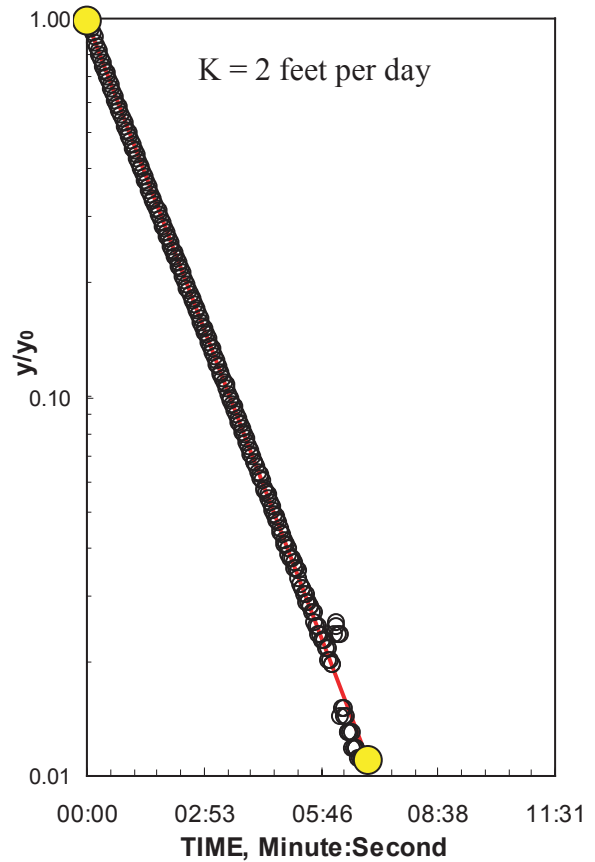
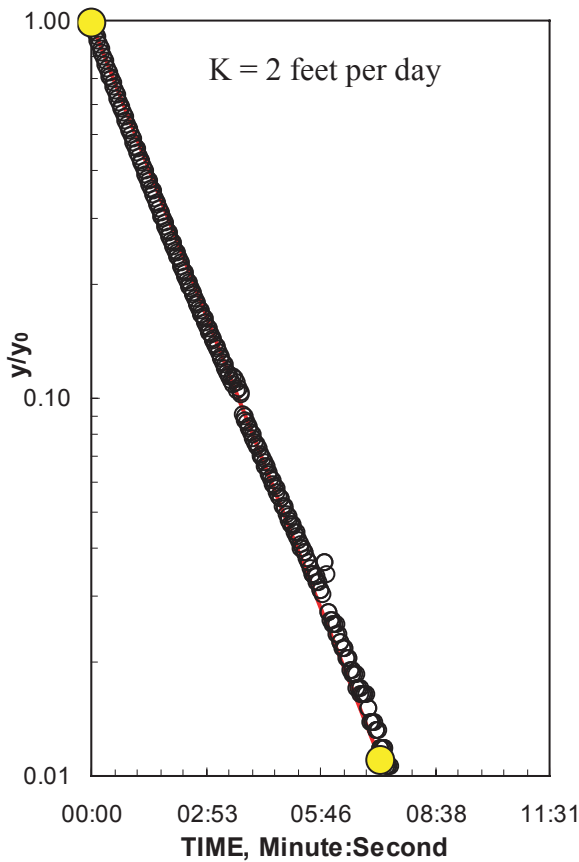


16 Hydraulic Conductivity of Near-Surface Sediments in the Vicinity of Cattleman's Detention Basin, South Lake Tahoe, Calif.

Summary of slug test analyses for well cc3S.

Construction:		
Casing diameter (d_c)	2	Inch
Annulus diameter (d_w)	7	Inch
Screen Length (L)	1	Feet
Depths to:		
water level (DTW)	8.92	Feet
top of screen (TOS)	8.9	Feet
Base of Aquifer (DTB)	12	Feet
Annular Fill:		
across screen --	Coarse Sand	
above screen --	Silica flour	
Aquifer Material --	Medium Sand	

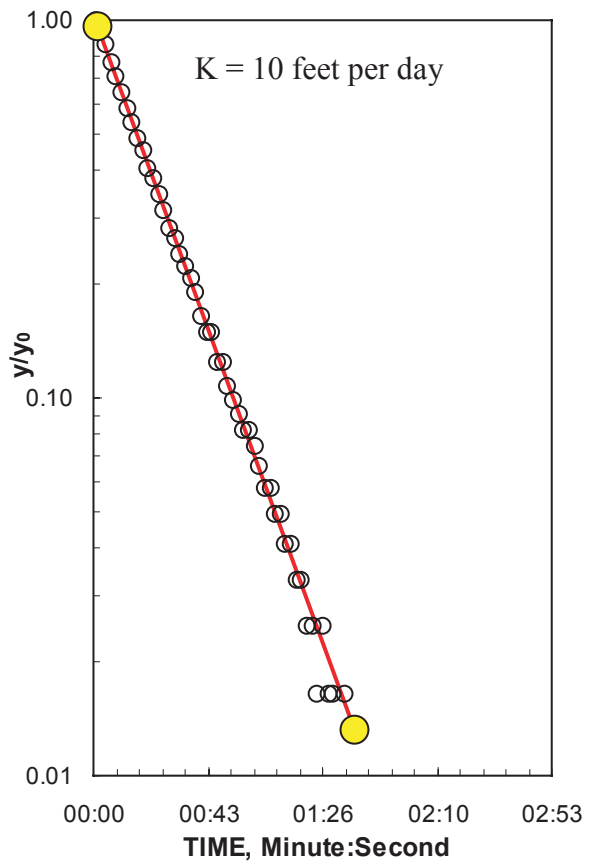
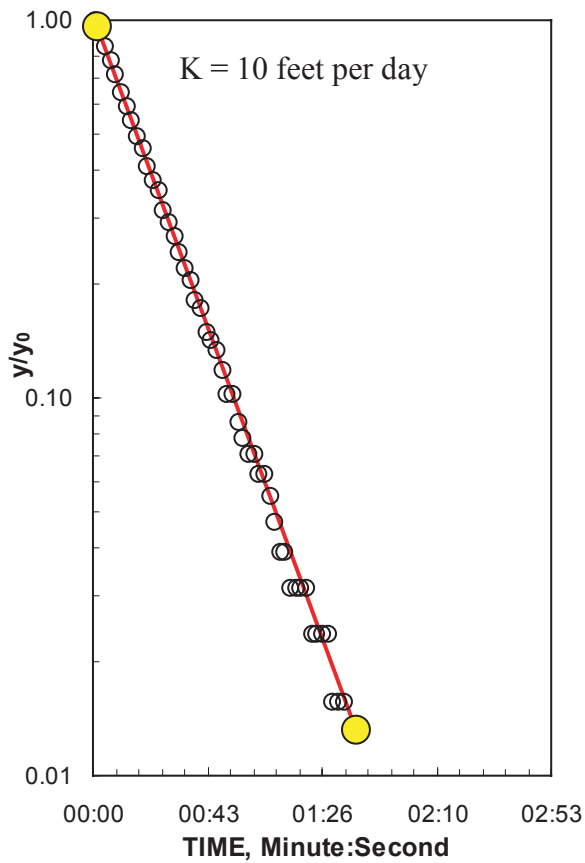
L_{wetted}	0.98	Feet
D =	3.08	Feet
H =	0.98	Feet
L/r_w =	3.36	
y_0 -DISPLACEMENT =	1.32	Feet
y_0 -SLUG =	1.47	Feet
From look-up table using L/r_w		
Partial penetrate A =	1.738	
B =	0.229	
$\ln(Re/r_w)$ =	0.641	
Re =	0.55	Feet
Slope =	0.005268	\log_{10}/sec
$t_{90\%}$ recovery =	190	sec



Summary of slug test analyses for well cc3D.

Construction:		
Casing diameter (d_c)	2	Inch
Annulus diameter (d_w)	7	Inch
Screen Length (L)	1	Feet
Depths to:		
water level (DTW)	8.46	Feet
top of screen (TOS)	13.5	Feet
Base of Aquifer (DTB)	20	Feet
Annular Fill:		
across screen --	Coarse Sand	
above screen --	Silica flour	
Aquifer Material --	Fine Sand	

L_{wetted}	1	Feet
D =	11.54	Feet
H =	6.04	Feet
L/r_w =	3.43	
y_0 -DISPLACEMENT =	1.27	Feet
y_0 -SLUG =	1.47	Feet
From look-up table using L/r_w		
Partial penetrate A =	1.738	
B =	0.229	
$\ln(Re/r_w)$ =	0.938	
Re =	0.75	Feet
Slope =	0.019126	\log_{10}/sec
$t_{90\%}$ recovery =	52	sec

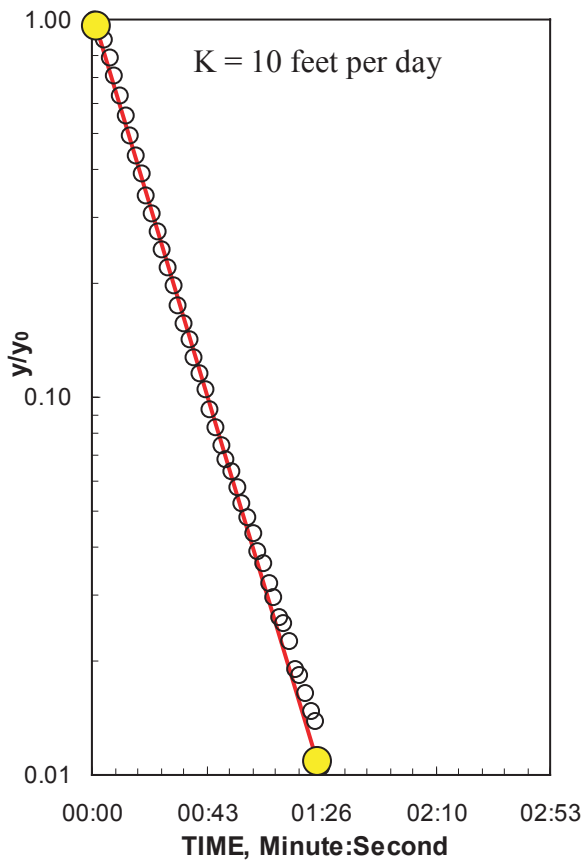
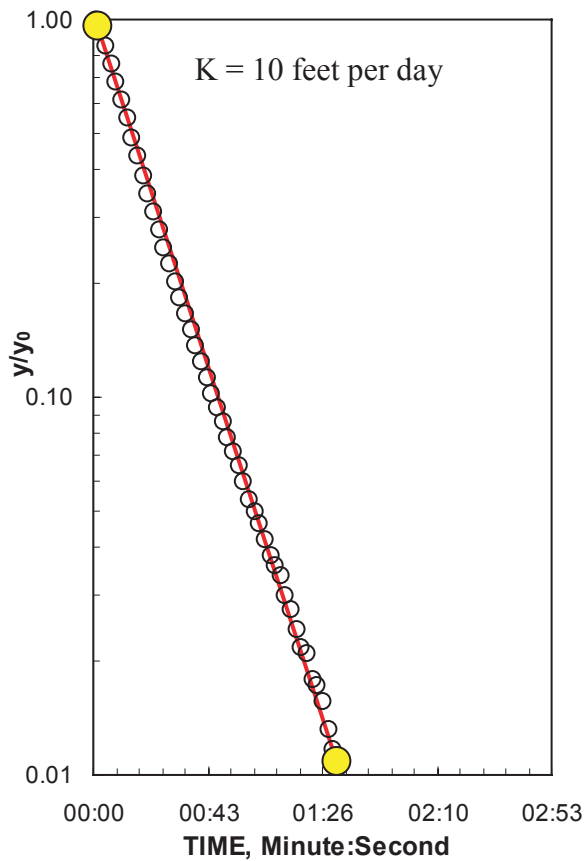


18 Hydraulic Conductivity of Near-Surface Sediments in the Vicinity of Cattlemans Detention Basin, South Lake Tahoe, Calif.

Summary of slug test analyses for well cc4.

Construction:		
Casing diameter (d_c)	2	Inch
Annulus diameter (d_w)	7	Inch
Screen Length (L)	1	Feet
Depths to:		
water level (DTW)	5.79	Feet
top of screen (TOS)	8.7	Feet
Base of Aquifer (DTB)	15	Feet
Annular Fill:		
across screen --	Coarse Sand	
above screen --	Silica flour	
Aquifer Material --	Fine Sand	

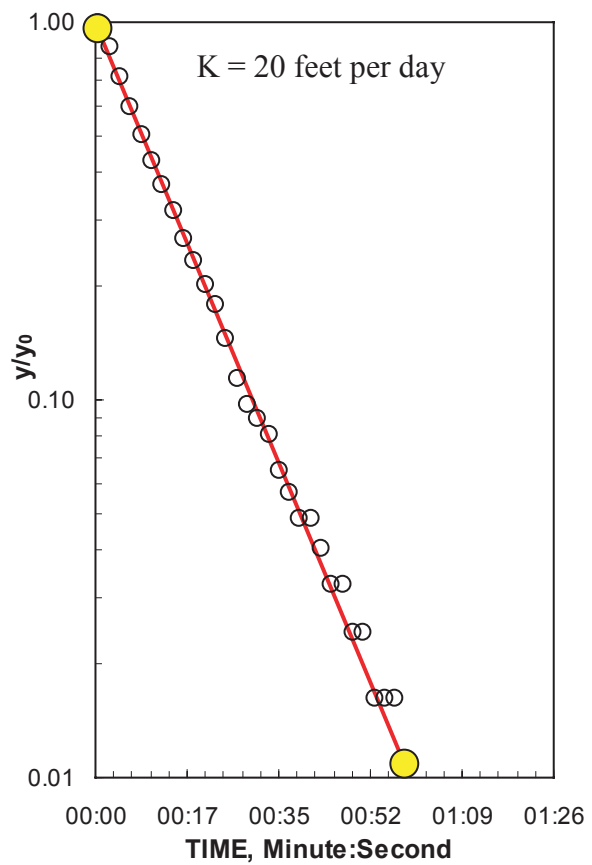
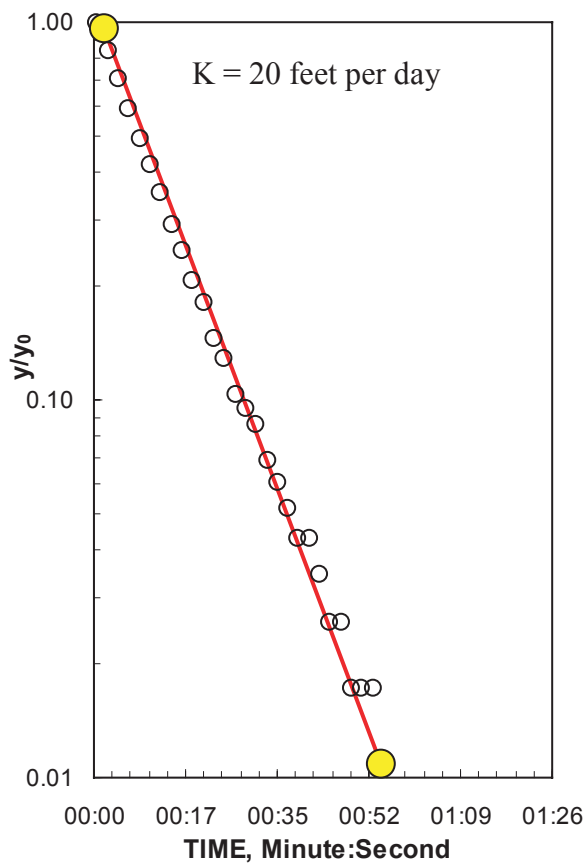
$L_{wettered}$	1	Feet
D =	9.21	Feet
H =	3.91	Feet
L/r_w =	3.43	
y_0 -DISPLACEMENT =	1.28	Feet
y_0 -SLUG =	1.47	Feet
From look-up table using L/r_w		
Partial penetrate A =	1.738	
B =	0.229	
$\ln(Re/r_w)$ =	0.889	
Re =	0.71	Feet
Slope =	0.021606	\log_{10}/sec
$t_{90\%}$ recovery =	46	sec



Summary of slug test analyses for well cc5.

Construction:		
Casing diameter (d_c)	2	Inch
Annulus diameter (d_w)	7	Inch
Screen Length (L)	1	Feet
Depths to:		
water level (DTW)	5.81	Feet
top of screen (TOS)	8.7	Feet
Base of Aquifer (DTB)	15	Feet
Annular Fill:		
across screen --	Coarse Sand	
above screen --	Silica flour	
Aquifer Material --	Fine Sand	

L_{wetted}	1	Feet
D =	9.19	Feet
H =	3.89	Feet
L/r_w =	3.43	
$y_{0-DISPLACEMENT}$ =	1.16	Feet
y_{0-SLUG} =	1.31	Feet
From look-up table using L/r_w		
Partial penetrate A =	1.738	
B =	0.229	
$\ln(Re/r_w)$ =	0.889	
Re =	0.71	Feet
Slope =	0.037125	\log_{10}/sec
$t_{90\%}$ recovery =	27	sec

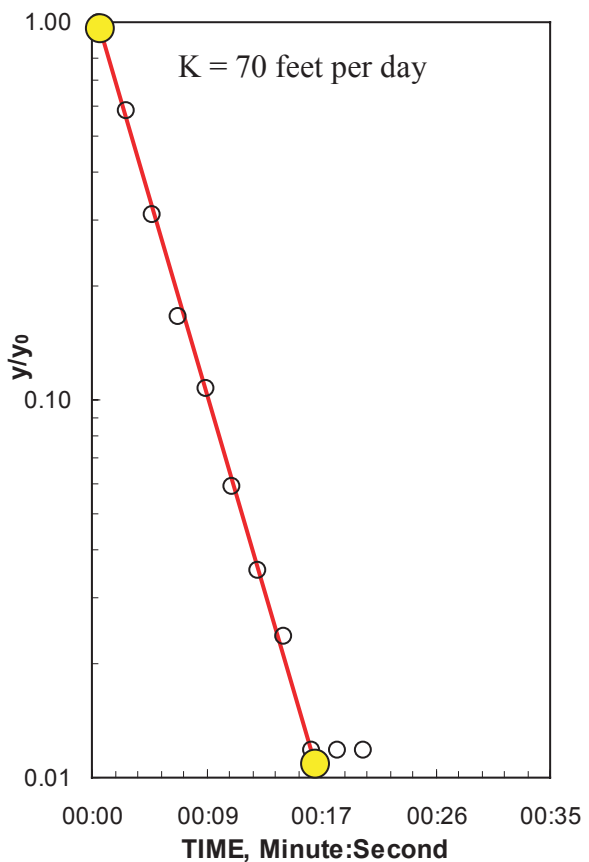
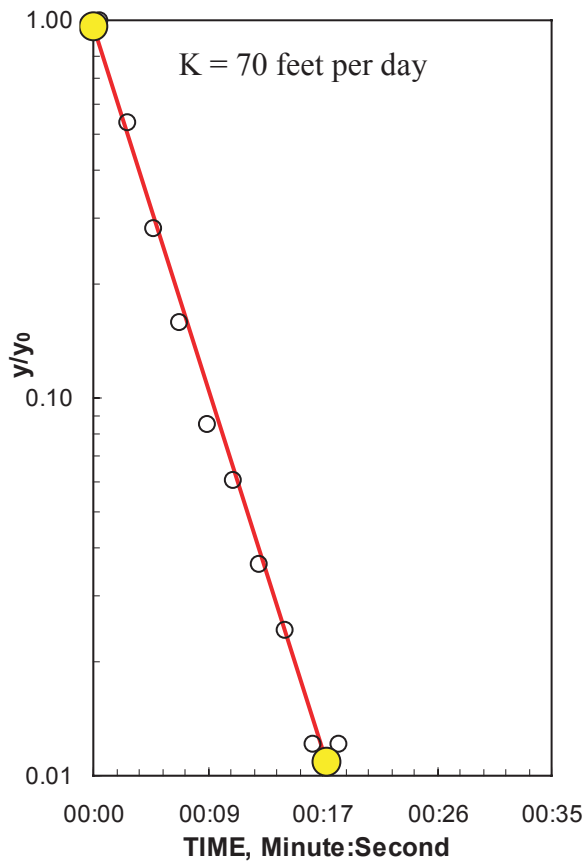


20 Hydraulic Conductivity of Near-Surface Sediments in the Vicinity of Cattleman's Detention Basin, South Lake Tahoe, Calif.

Summary of slug test analyses for well cc6S.

Construction:		
Casing diameter (d_c)	2	Inch
Annulus diameter (d_w)	7	Inch
Screen Length (L)	1	Feet
Depths to:		
water level (DTW)	5.95	Feet
top of screen (TOS)	7.45	Feet
Base of Aquifer (DTB)	10	Feet
Annular Fill:		
across screen --	Coarse Sand	
above screen --	Silica flour	
Aquifer Material --	Medium Sand	

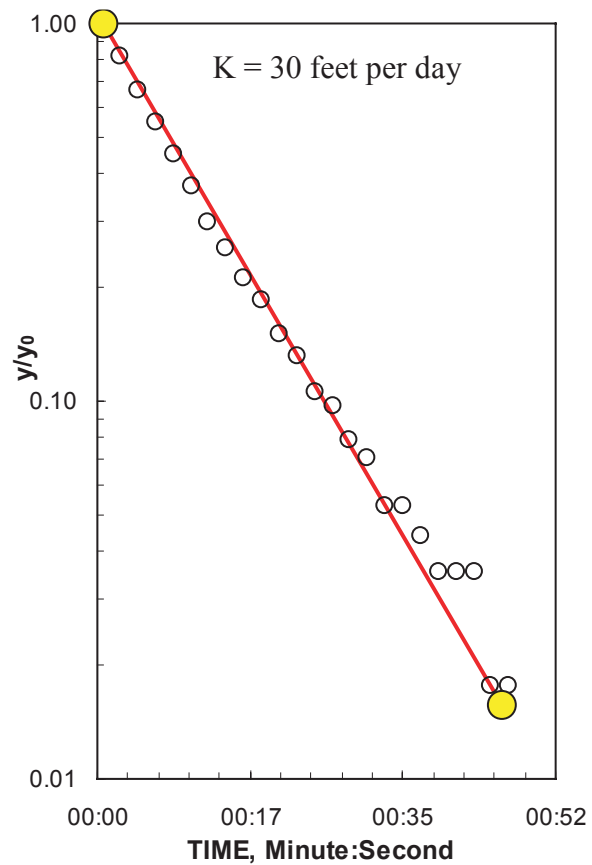
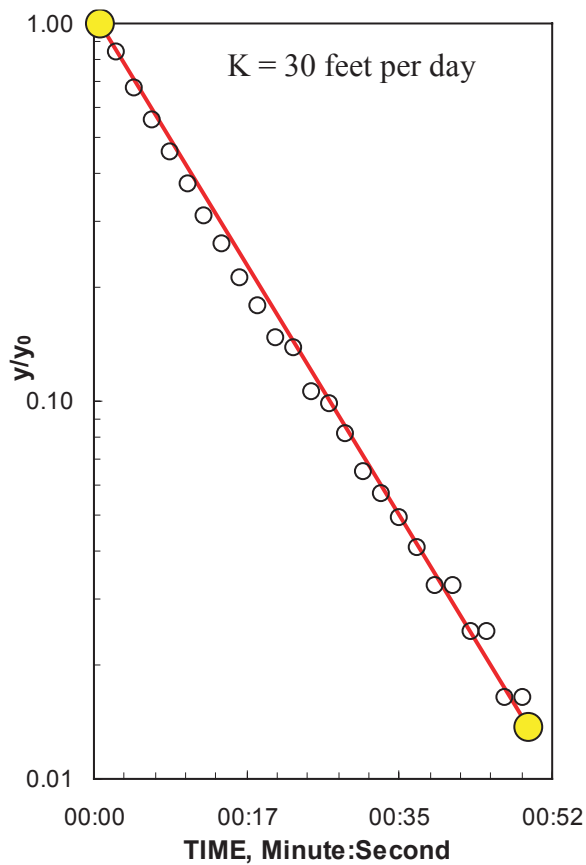
L_{wetted}	1	Feet
D =	4.05	Feet
H =	2.5	Feet
L/r_w =	3.43	
y_0 -DISPLACEMENT =	0.82	Feet
y_0 -SLUG =	0.98	Feet
From look-up table using L/r_w		
Partial penetrate A =	1.738	
B =	0.229	
$\ln(Re/r_w)$ =	0.885	
Re =	0.71	Feet
Slope =	0.114973	\log_{10}/sec
$t_{90\%}$ recovery =	9	sec



Summary of slug test analyses for well cc6D.

Construction:		
Casing diameter (d_c)	2	Inch
Annulus diameter (d_w)	7	Inch
Screen Length (L)	1	Feet
Depths to:		
water level (DTW)	5.96	Feet
top of screen (TOS)	13.5	Feet
Base of Aquifer (DTB)	15	Feet
Annular Fill:		
across screen --	Coarse Sand	
above screen --	Silica flour	
Aquifer Material --	Medium Sand	

L_{wetted}	1	Feet
D =	9.04	Feet
H =	8.54	Feet
L/r_w =	3.43	
$y_{0-DISPLACEMENT}$ =	1.22	Feet
y_{0-SLUG} =	1.47	Feet
From look-up table using L/r_w		
Partial penetrate A =	1.738	
B =	0.229	
$\ln(Re/r_w)$ =	1.151	
Re =	0.92	Feet
Slope =	0.038639	\log_{10}/sec
$t_{90\%}$ recovery =	26	sec

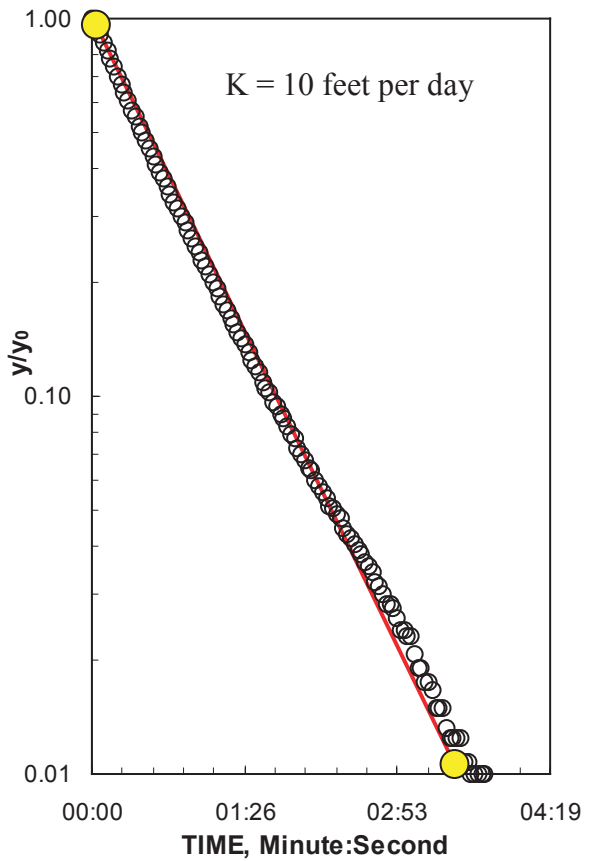
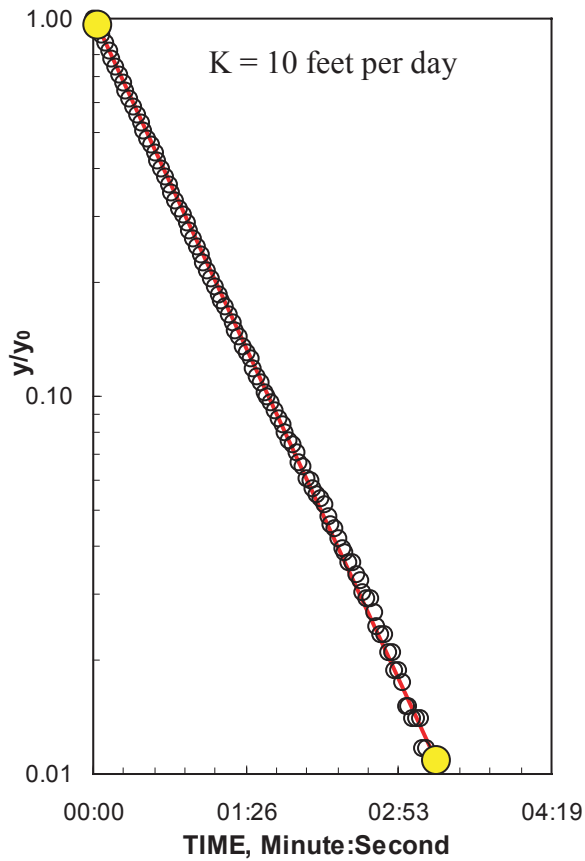


22 Hydraulic Conductivity of Near-Surface Sediments in the Vicinity of Cattleman's Detention Basin, South Lake Tahoe, Calif.

Summary of slug test analyses for well cc7.

Construction:		
Casing diameter (d_c)	2	Inch
Annulus diameter (d_w)	4	Inch
Screen Length (L)	1	Feet
Depths to:		
water level (DTW)	1.7	Feet
top of screen (TOS)	3.5	Feet
Base of Aquifer (DTB)	15	Feet
Annular Fill:		
across screen --	Coarse Sand	
above screen --	Silica flour	
Aquifer Material --	Fine Sand	

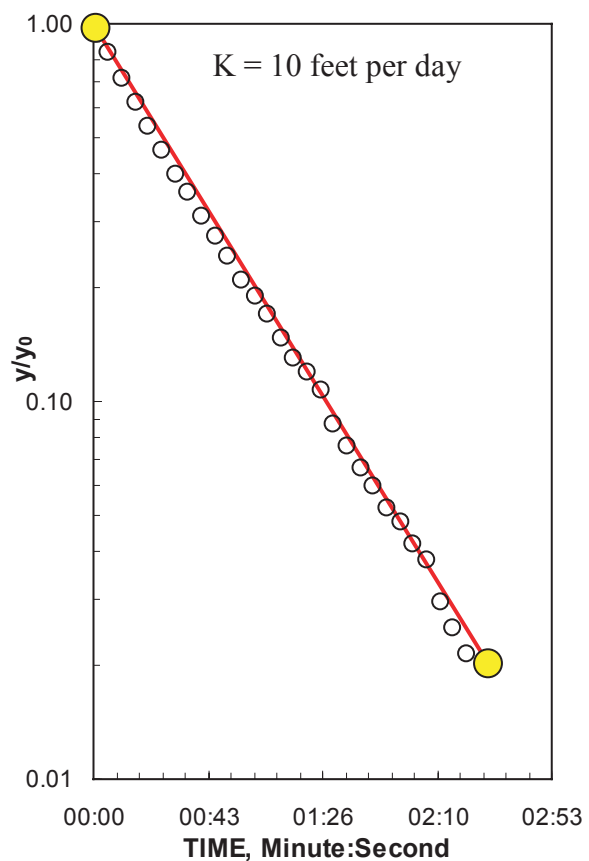
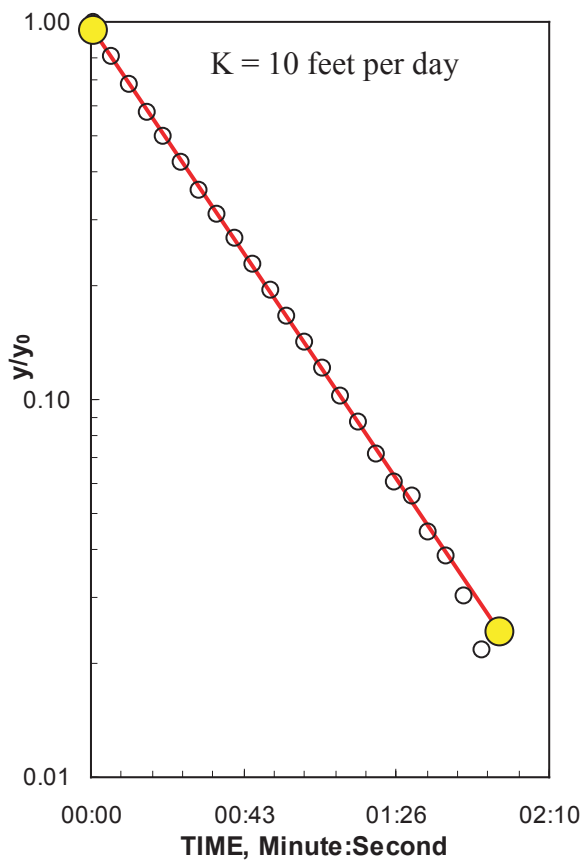
L_{wetted}	1	Feet
D =	13.3	Feet
H =	2.8	Feet
L/r_w =	6.00	
y_0 -DISPLACEMENT =	1.21	Feet
y_0 -SLUG =	1.47	Feet
From look-up table using L/r_w		
Partial penetrate A =	1.766	
B =	0.247	
$\ln(Re/r_w)$ =	1.170	
Re =	0.54	Feet
Slope =	0.009351	\log_{10}/sec
$t_{90\%}$ recovery =	107	sec



Summary of slug test analyses for well cc8S.

Construction:		
Casing diameter (d_c)	2	Inch
Annulus diameter (d_w)	7	Inch
Screen Length (L)	1	Feet
Depths to:		
water level (DTW)	3.72	Feet
top of screen (TOS)	7.7	Feet
Base of Aquifer (DTB)	10	Feet
Annular Fill:		
across screen --	Coarse Sand	
above screen --	Silica flour	
Aquifer Material --	Fine Sand	

L_{wetted}	1	Feet
D =	6.28	Feet
H =	4.98	Feet
L/r_w =	3.43	
y_0 -DISPLACEMENT =	1.19	Feet
y_0 -SLUG =	1.63	Feet
From look-up table using L/r_w		
Partial penetrate A =	1.738	
B =	0.229	
$\ln(Re/r_w)$ =	1.006	
Re =	0.80	Feet
Slope =	0.013865	\log_{10}/sec
$t_{90\%}$ recovery =	72	sec

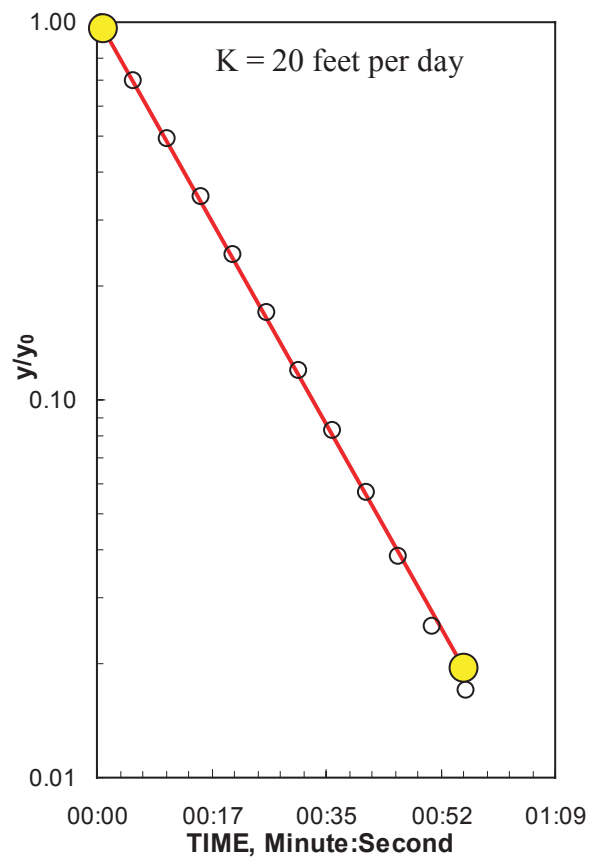
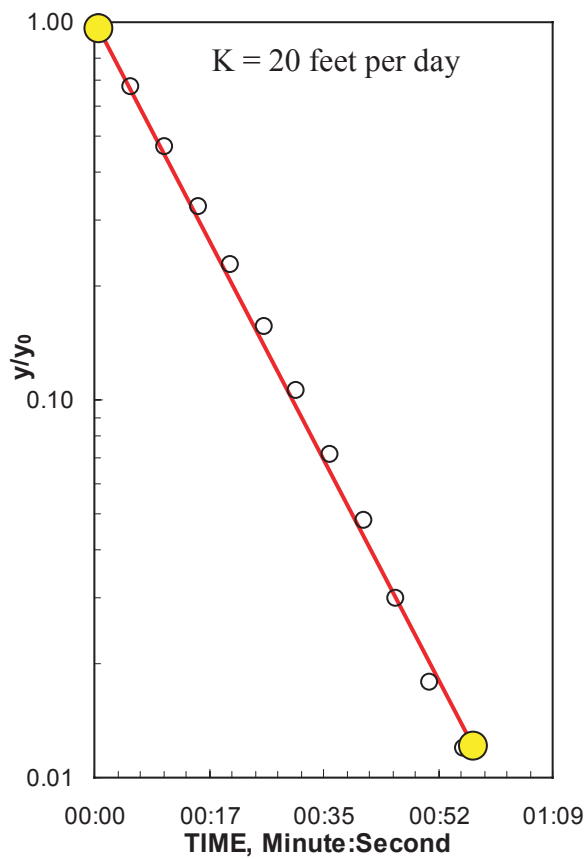


24 Hydraulic Conductivity of Near-Surface Sediments in the Vicinity of Cattleman's Detention Basin, South Lake Tahoe, Calif.

Summary of slug test analyses for well cc8D.

Construction:		
Casing diameter (d_c)	2	Inch
Annulus diameter (d_w)	7	Inch
Screen Length (L)	1	Feet
Depths to:		
water level (DTW)	9.61	Feet
top of screen (TOS)	13.45	Feet
Base of Aquifer (DTB)	20	Feet
Annular Fill:		
across screen --	Coarse Sand	
above screen --	Silica flour	
Aquifer Material --	Fine Sand	

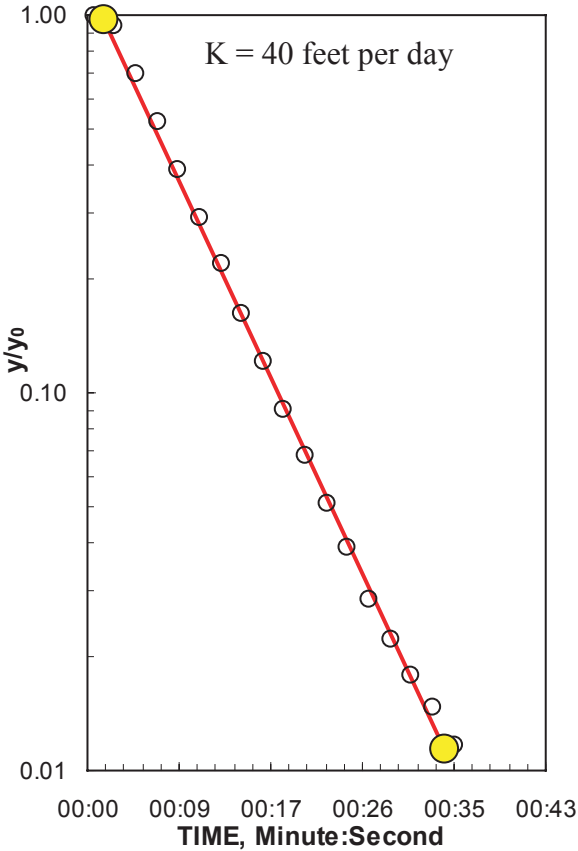
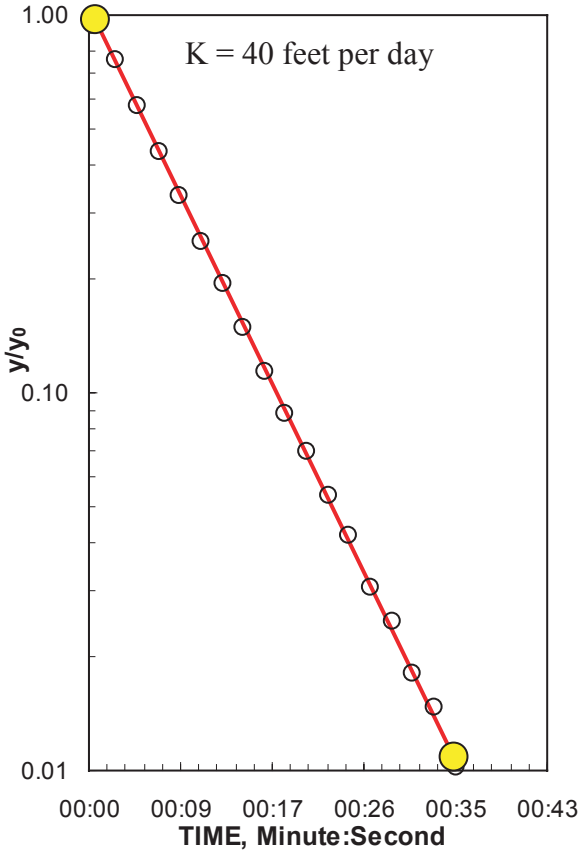
L_{wetted}	1	Feet
D =	10.39	Feet
H =	4.84	Feet
L/r_w =	3.43	
$y_{0-DISPLACEMENT}$ =	0.96	Feet
y_{0-SLUG} =	1.63	Feet
From look-up table using L/r_w		
Partial penetrate A =	1.738	
B =	0.229	
$\ln(Re/r_w)$ =	0.913	
Re =	0.73	Feet
Slope =	0.025227	\log_{10}/sec
$t_{90\%}$ recovery =	40	sec



Summary of slug test analyses for well cc9.

Construction:		
Casing diameter (d_c)	2	Inch
Annulus diameter (d_w)	7	Inch
Screen Length (L)	1	Feet
Depths to:		
water level (DTW)	6.35	Feet
top of screen (TOS)	8.4	Feet
Base of Aquifer (DTB)	10	Feet
Annular Fill:		
across screen --	Coarse Sand	
above screen --	Silica flour	
Aquifer Material --	Medium Sand	

L_{wetted}	1	Feet
D =	3.65	Feet
H =	3.05	Feet
L/r_w =	3.43	
y_0 -DISPLACEMENT =	0.88	Feet
y_0 -SLUG =	1.63	Feet
From look-up table using L/r_w		
Partial penetrate A =	1.738	
B =	0.229	
$\ln(Re/r_w)$ =	0.977	
Re =	0.77	Feet
Slope =	0.057811	\log_{10}/sec
$t_{90\%}$ recovery =	17	sec

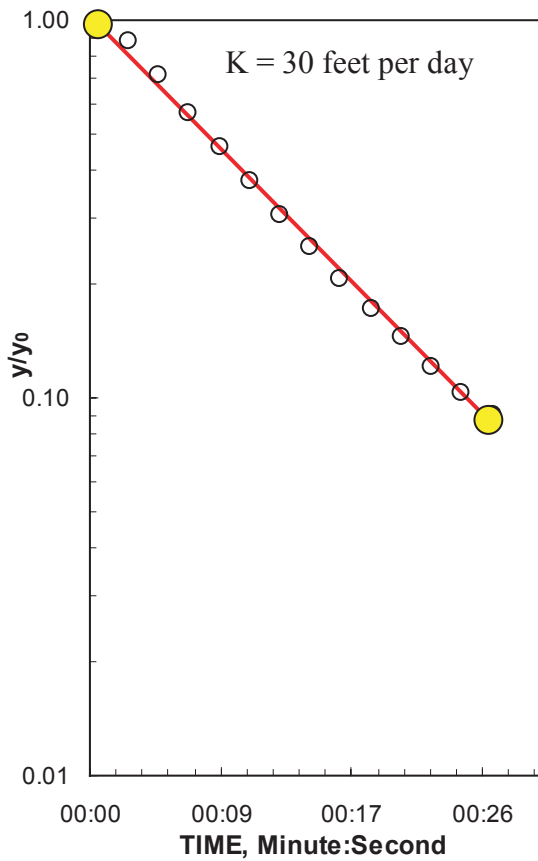
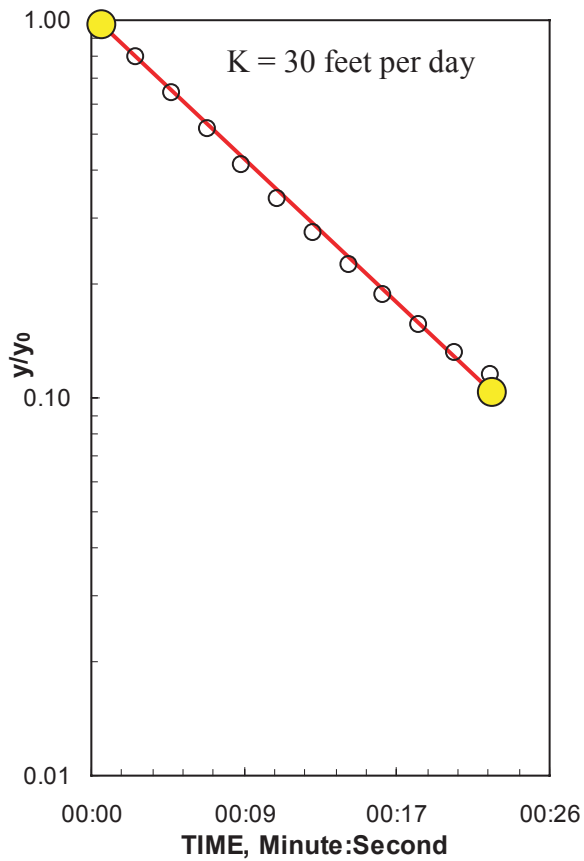


26 Hydraulic Conductivity of Near-Surface Sediments in the Vicinity of Cattleman's Detention Basin, South Lake Tahoe, Calif.

Summary of slug test analyses for well cc10.

Construction:		
Casing diameter (d_c)	2	Inch
Annulus diameter (d_w)	7	Inch
Screen Length (L)	1	Feet
Depths to:		
water level (DTW)	4.34	Feet
top of screen (TOS)	8.7	Feet
Base of Aquifer (DTB)	10	Feet
Annular Fill:		
across screen --	Coarse Sand	
above screen --	Silica flour	
Aquifer Material --	Medium Sand	

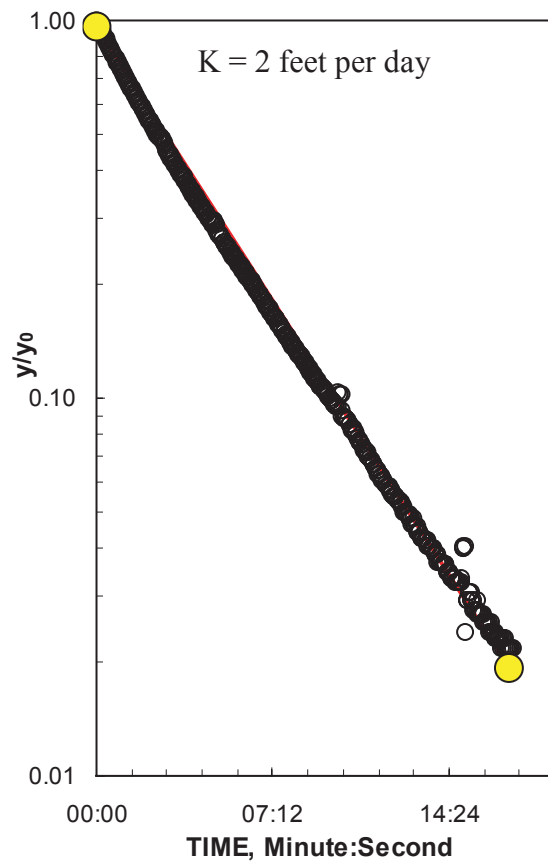
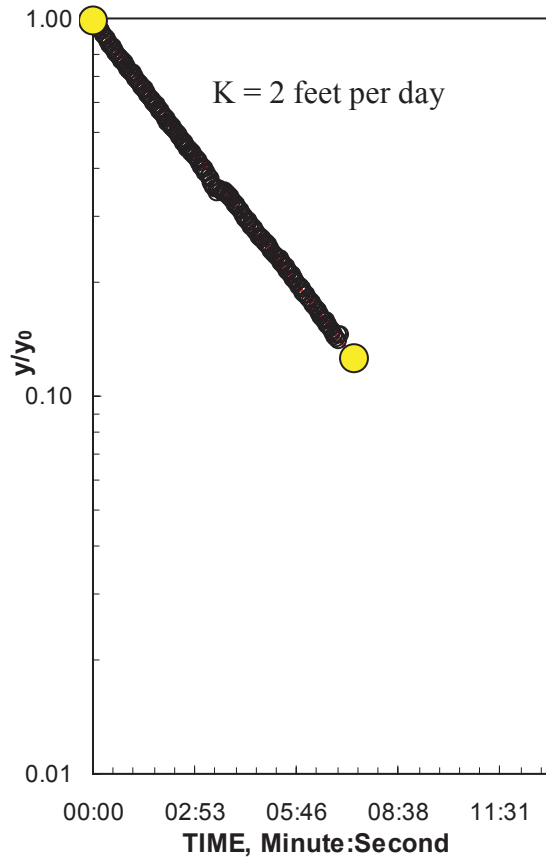
L_{wetted}	1	Feet
D =	5.66	Feet
H =	5.36	Feet
L/r_w =	3.43	
y_0 -DISPLACEMENT =	0.93	Feet
y_0 -SLUG =	1.63	Feet
From look-up table using L/r_w		
Partial penetrate A =	1.738	
B =	0.229	
$\ln(Re/r_w)$ =	1.128	
Re =	0.90	Feet
Slope =	0.041535	\log_{10}/sec
$t_{90\%}$ recovery =	24	sec



Summary of slug test analyses for well cc11.

Construction:		
Casing diameter (d_c)	2	Inch
Annulus diameter (d_w)	4	Inch
Screen Length (L)	1	Feet
Depths to:		
water level (DTW)	2.37	Feet
top of screen (TOS)	4.15	Feet
Base of Aquifer (DTB)	6	Feet
Annular Fill:		
across screen --	Coarse Sand	
above screen --	Silica flour	
Aquifer Material --	Fine Sand	

L_{wetted}	1	Feet
D =	3.63	Feet
H =	2.78	Feet
L/r_w =	6.00	
y_0 -DISPLACEMENT =	1.38	Feet
y_0 -SLUG =	1.63	Feet
From look-up table using L/r_w		
Partial penetrate A =	1.766	
B =	0.247	
$\ln(Re/r_w)$ =	1.329	
Re =	0.63	Feet
Slope =	0.001679	\log_{10}/sec
$t_{90\%}$ recovery =	596	sec

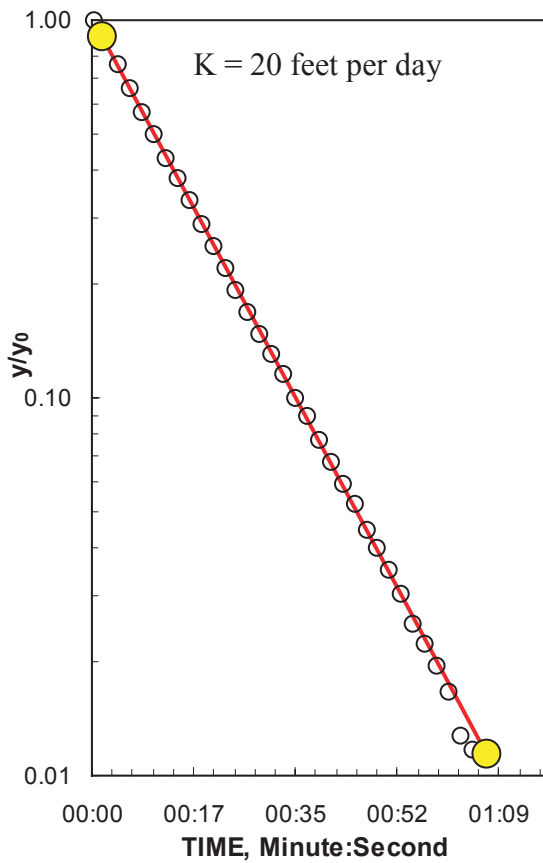
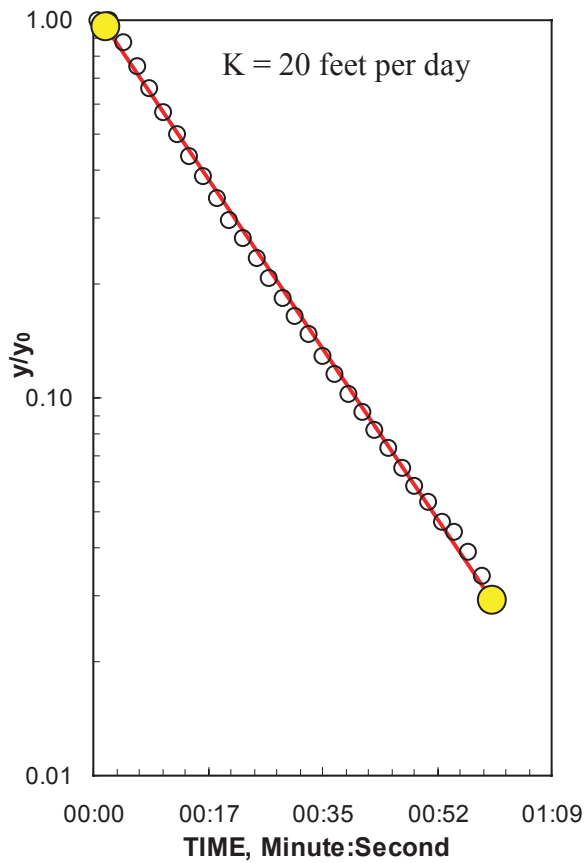


28 Hydraulic Conductivity of Near-Surface Sediments in the Vicinity of Cattleman's Detention Basin, South Lake Tahoe, Calif.

Summary of slug test analyses for well cc12.

Construction:		
Casing diameter (d_c)	2	Inch
Annulus diameter (d_w)	4	Inch
Screen Length (L)	1	Feet
Depths to:		
water level (DTW)	2.39	Feet
top of screen (TOS)	5.15	Feet
Base of Aquifer (DTB)	15	Feet
Annular Fill:		
across screen --	Coarse Sand	
above screen --	Silica flour	
Aquifer Material --	Medium Sand	

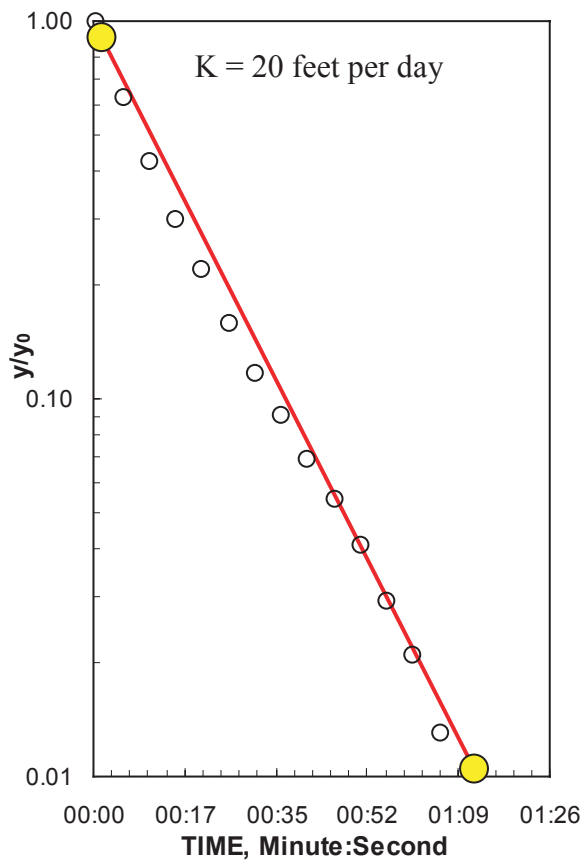
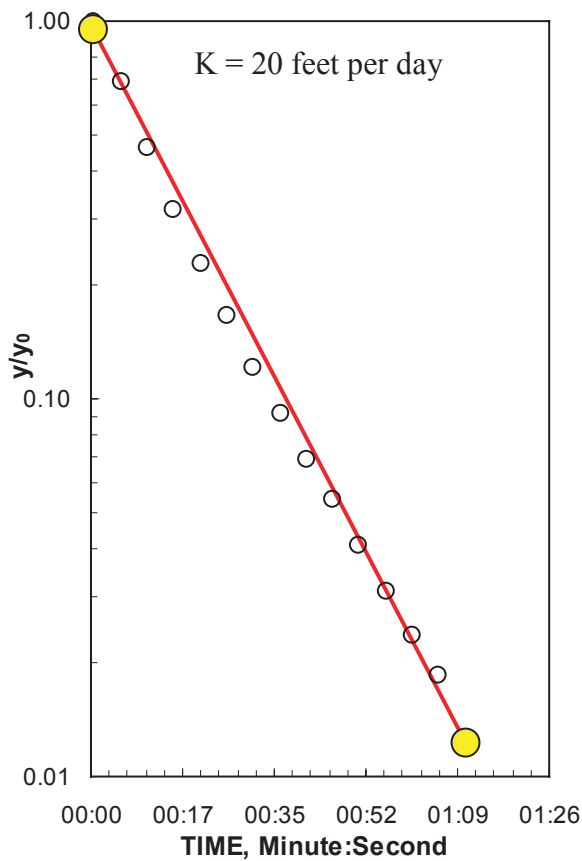
L_{wetted}	1	Feet
$D =$	12.61	Feet
$H =$	3.76	Feet
$L/r_w =$	6.00	
$y_0-DISPLACEMENT =$	0.98	Feet
$y_0-SLUG =$	1.14	Feet
From look-up table using L/r_w		
Partial penetrate $A =$	1.766	
$B =$	0.247	
$\ln(Re/r_w) =$	1.234	
$Re =$	0.57	Feet
Slope =	0.026056	\log_{10}/sec
$t_{90\%}$ recovery =	38	sec



Summary of slug test analyses for well cc13S.

Construction:		
Casing diameter (d_c)	2	Inch
Annulus diameter (d_w)	7	Inch
Screen Length (L)	1	Feet
Depths to:		
water level (DTW)	4.9	Feet
top of screen (TOS)	8.7	Feet
Base of Aquifer (DTB)	10	Feet
Annular Fill:		
across screen --	Coarse Sand	
above screen --	Silica flour	
Aquifer Material --	Fine Sand	

L_{wetted}	1	Feet
D =	5.1	Feet
H =	4.8	Feet
L/r_w =	3.43	
$y_{0-DISPLACEMENT}$ =	0.97	Feet
y_{0-SLUG} =	1.63	Feet
From look-up table using L/r_w		
Partial penetrate A =	1.738	
B =	0.229	
$\ln(Re/r_w)$ =	1.109	
Re =	0.88	Feet
Slope =	0.025613	\log_{10}/sec
$t_{90\%}$ recovery =	39	sec

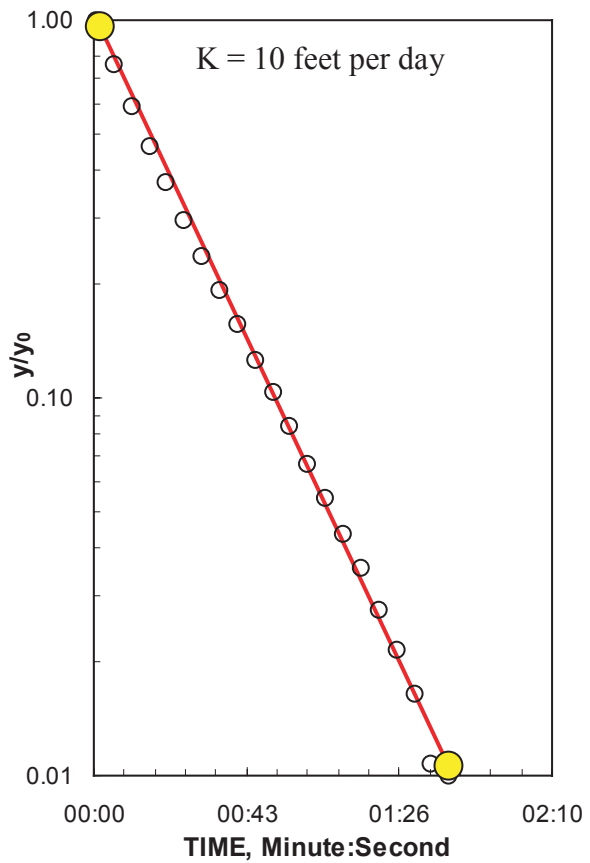
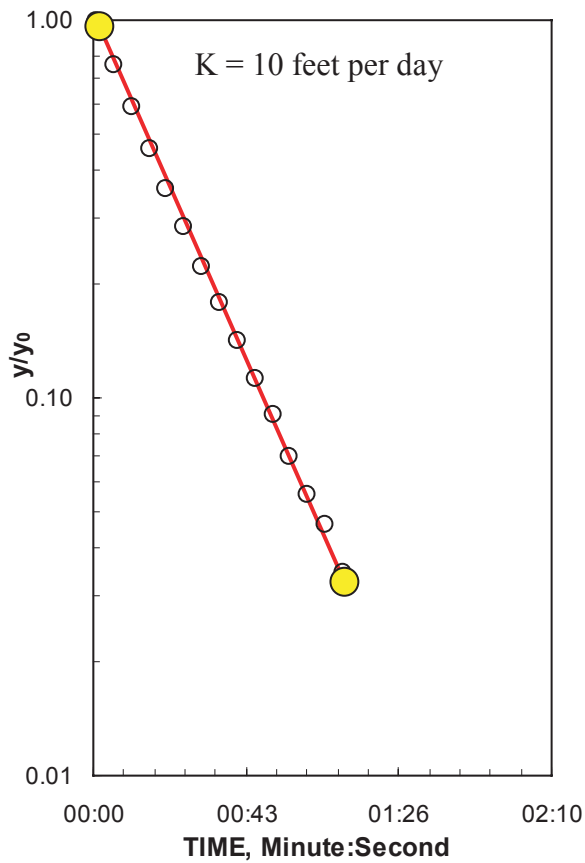


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Summary of slug test analyses for well cc13D.

Construction:		
Casing diameter (d_c)	2	Inch
Annulus diameter (d_w)	7	Inch
Screen Length (L)	1	Feet
Depths to:		
water level (DTW)	4.15	Feet
top of screen (TOS)	8.7	Feet
Base of Aquifer (DTB)	20	Feet
Annular Fill:		
across screen --	Coarse Sand	
above screen --	Silica flour	
Aquifer Material --	Fine Sand	

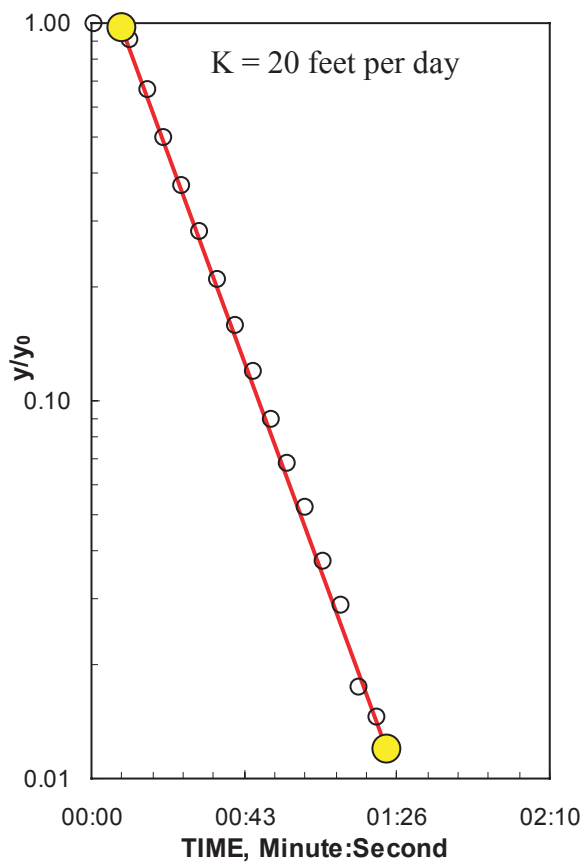
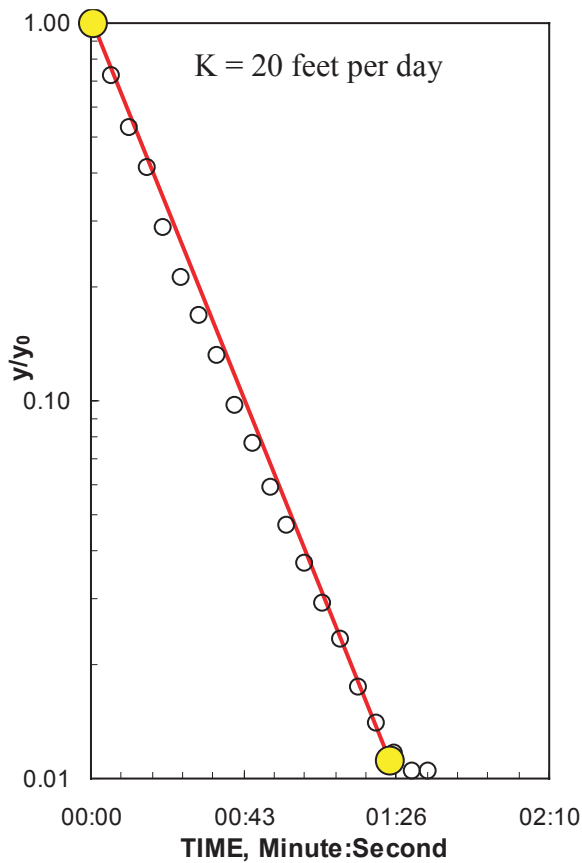
L_{wetted}	1	Feet
$D =$	15.85	Feet
$H =$	5.55	Feet
$L/r_w =$	3.43	
y_0 -DISPLACEMENT =	1.01	Feet
y_0 -SLUG =	1.14	Feet
From look-up table using L/r_w		
Partial penetrate $A =$	1.738	
$B =$	0.229	
$\ln(Re/r_w) =$	0.894	
$Re =$	0.71	Feet
Slope =	0.021308	\log_{10}/sec
$t_{90\%}$ recovery =	47	sec



Summary of slug test analyses for well cc14.

Construction:		
Casing diameter (d_c)	2	Inch
Annulus diameter (d_w)	4	Inch
Screen Length (L)	1	Feet
Depths to:		
water level (DTW)	1.71	Feet
top of screen (TOS)	3.98	Feet
Base of Aquifer (DTB)	10	Feet
Annular Fill:		
across screen --	Coarse Sand	
above screen --	Silica flour	
Aquifer Material --	Fine Sand	

L_{wetted}	1	Feet
D =	8.29	Feet
H =	3.27	Feet
L/r_w =	6.00	
y_0 -DISPLACEMENT =	0.86	Feet
y_0 -SLUG =	1.63	Feet
From look-up table using L/r_w		
Partial penetrate A =	1.766	
B =	0.247	
$\ln(Re/r_w)$ =	1.244	
Re =	0.58	Feet
Slope =	0.023184	\log_{10}/sec
$t_{90\%}$ recovery =	43	sec

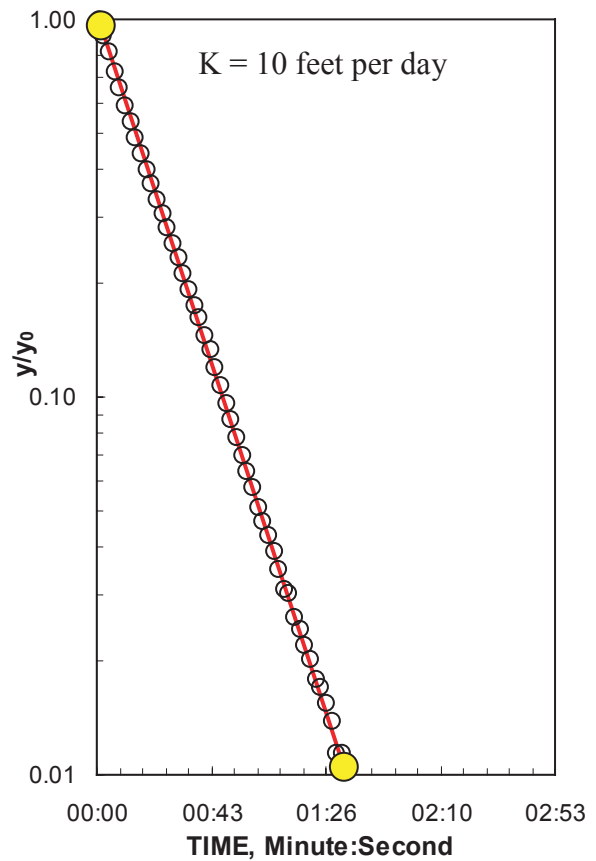
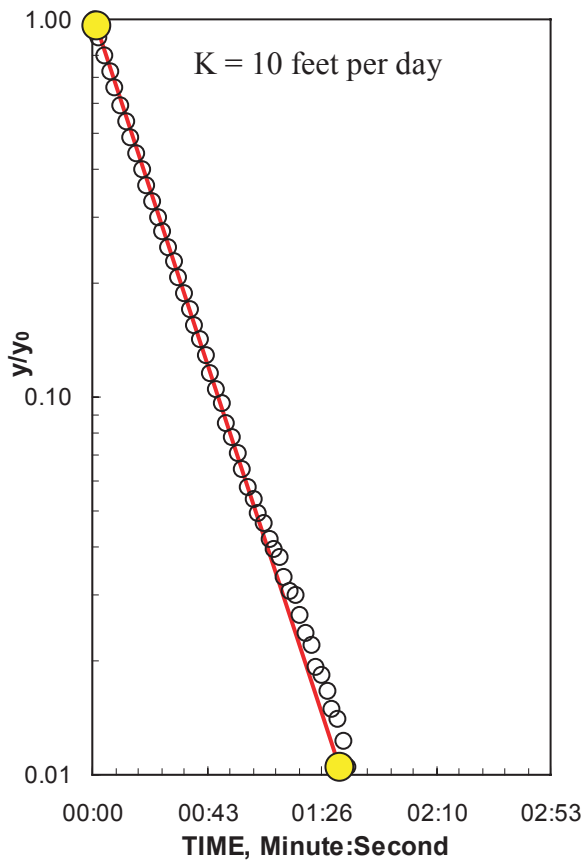


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Summary of slug test analyses for well cc15.

Construction:		
Casing diameter (d_c)	2	Inch
Annulus diameter (d_w)	7	Inch
Screen Length (L)	1	Feet
Depths to:		
water level (DTW)	7.21	Feet
top of screen (TOS)	8.7	Feet
Base of Aquifer (DTB)	15	Feet
Annular Fill:		
across screen --	Coarse Sand	
above screen --	Silica flour	
Aquifer Material --	Fine Sand	

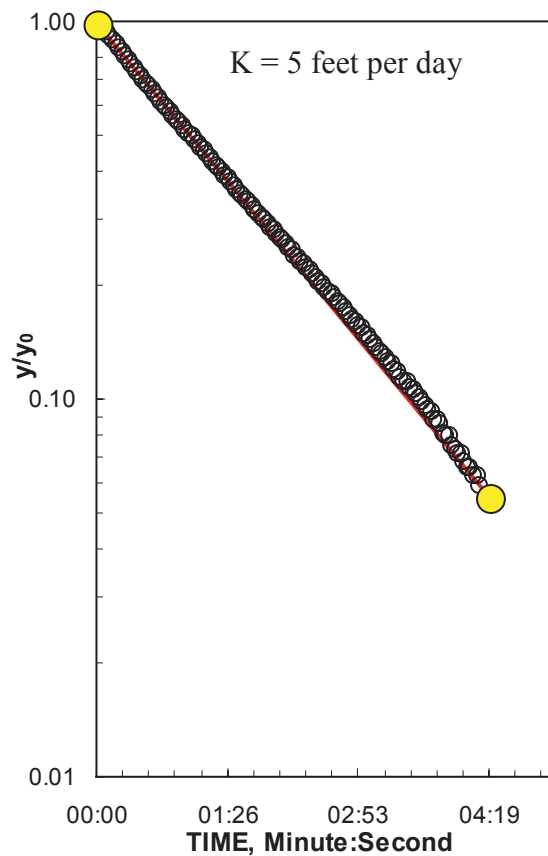
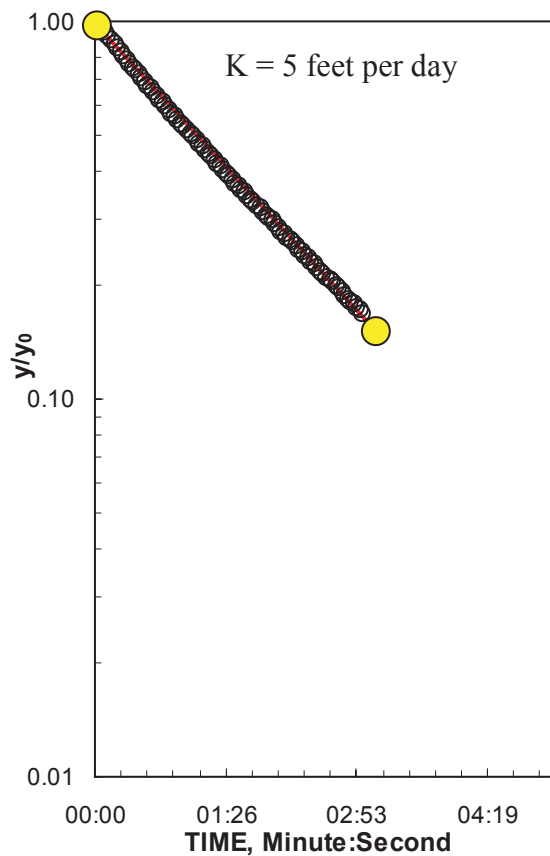
L_{wetted}	1	Feet
D =	7.79	Feet
H =	2.49	Feet
L/r_w =	3.43	
y_0 -DISPLACEMENT =	1.14	Feet
y_0 -SLUG =	1.31	Feet
From look-up table using L/r_w		
Partial penetrate A =	1.738	
B =	0.229	
$\ln(Re/r_w)$ =	0.824	
Re =	0.66	Feet
Slope =	0.021434	\log_{10}/sec
$t_{90\%}$ recovery =	47	sec



Summary of slug test analyses for well cc16.

Construction:		
Casing diameter (d_c)	2	Inch
Annulus diameter (d_w)	4	Inch
Screen Length (L)	1	Feet
Depths to:		
water level (DTW)	1.73	Feet
top of screen (TOS)	5.65	Feet
Base of Aquifer (DTB)	6.65	Feet
Annular Fill:		
across screen --	Coarse Sand	
above screen --	Silica flour	
Aquifer Material --	Fine Sand	

L_{wetted}	1	Feet
D =	4.92	Feet
H =	4.92	Feet
L/r_w =	6.00	
$y_{0-DISPLACEMENT}$ =	1.26	Feet
y_{0-SLUG} =	1.63	Feet
From look-up table using L/r_w		
Fully penetrate C =	0.947	
$\ln(Re/r_w)$ =	2.071	
Re =	1.32	Feet
Slope =	0.00444	\log_{10}/sec
$t_{90\%}$ recovery =	225	sec

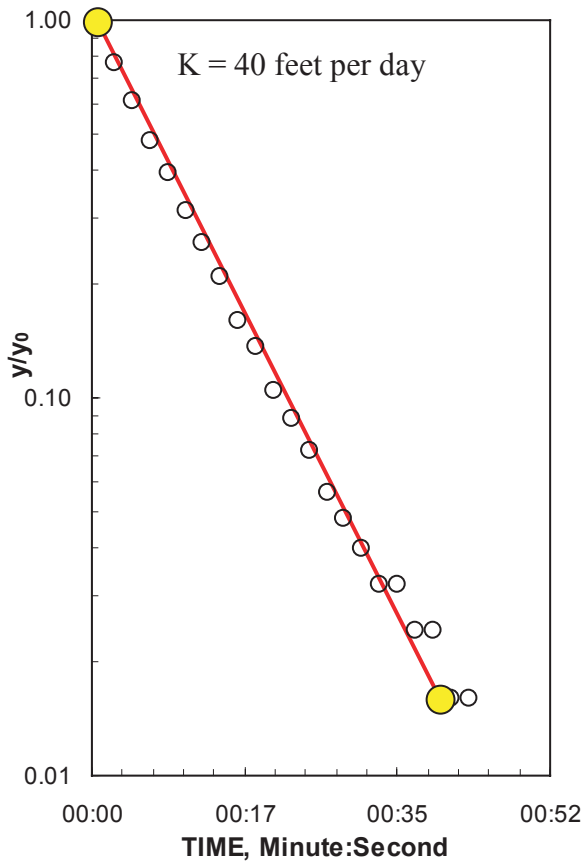
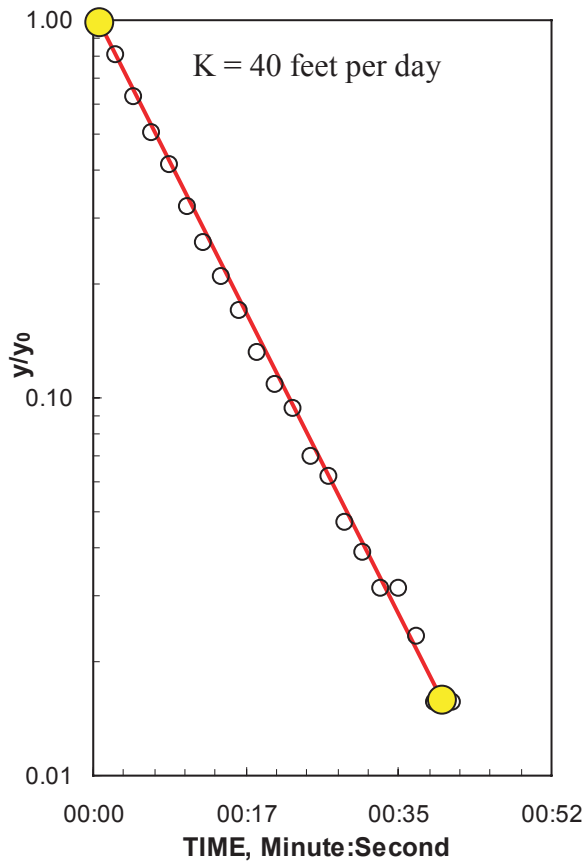


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Summary of slug test analyses for well cc18.

Construction:		
Casing diameter (d_c)	2	Inch
Annulus diameter (d_w)	4	Inch
Screen Length (L)	1	Feet
Depths to:		
water level (DTW)	2.41	Feet
top of screen (TOS)	3.58	Feet
Base of Aquifer (DTB)	10	Feet
Annular Fill:		
across screen --	Coarse Sand	
above screen --	Silica flour	
Aquifer Material --	Medium Sand	

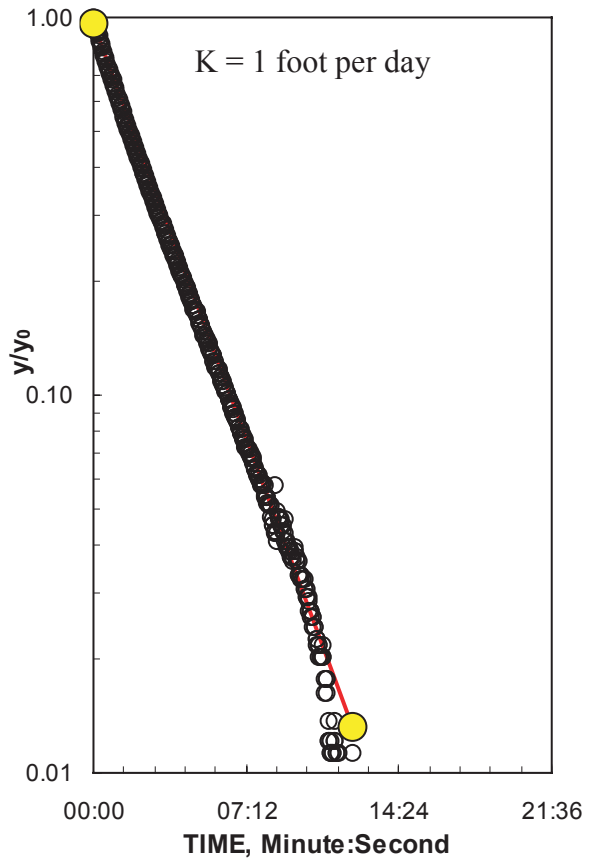
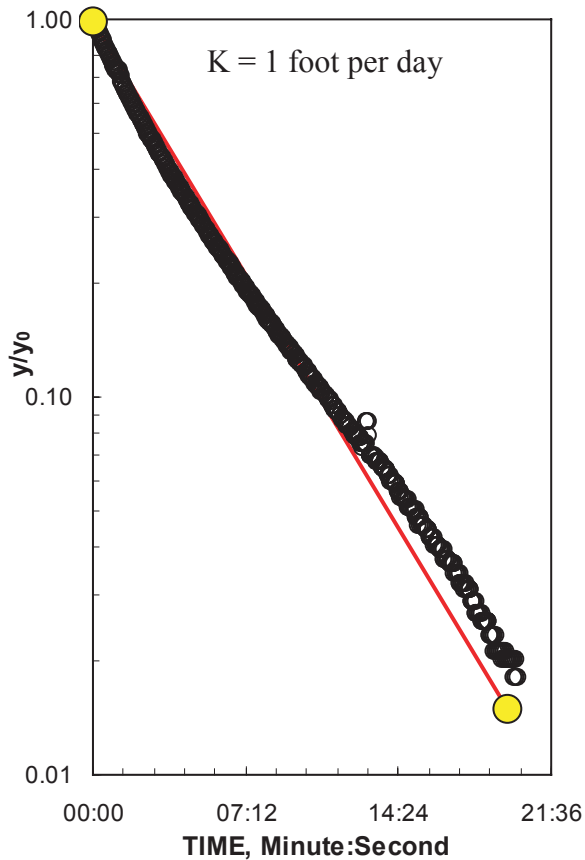
L_{wetted}	1	Feet
D =	7.59	Feet
H =	2.17	Feet
L/r_w =	6.00	
y_0 -DISPLACEMENT =	1.28	Feet
y_0 -SLUG =	1.47	Feet
From look-up table using L/r_w		
Partial penetrate A =	1.766	
B =	0.247	
$\ln(Re/r_w)$ =	1.155	
Re =	0.53	Feet
Slope =	0.046296	\log_{10}/sec
$t_{90\%}$ recovery =	22	sec



Summary of slug test analyses for well cc19S.

Construction:		
Casing diameter (d_c)	2	Inch
Annulus diameter (d_w)	4	Inch
Screen Length (L)	1	Feet
Depths to:		
water level (DTW)	2.91	Feet
top of screen (TOS)	2.65	Feet
Base of Aquifer (DTB)	10	Feet
Annular Fill:		
across screen --	Coarse Sand	
above screen --	Silica flour	
Aquifer Material --	Medium Sand	

L_{wetted}	0.74	Feet
D =	7.09	Feet
H =	0.74	Feet
L/r_w =	4.44	
y_0 -DISPLACEMENT =	0.93	Feet
y_0 -SLUG =	1.14	Feet
From look-up table using L/r_w		
Partial penetrate A =	1.738	
B =	0.229	
$\ln(Re/r_w)$ =	0.759	
Re =	0.36	Feet
Slope =	0.001588	\log_{10}/sec
$t_{90\%}$ recovery =	630	sec

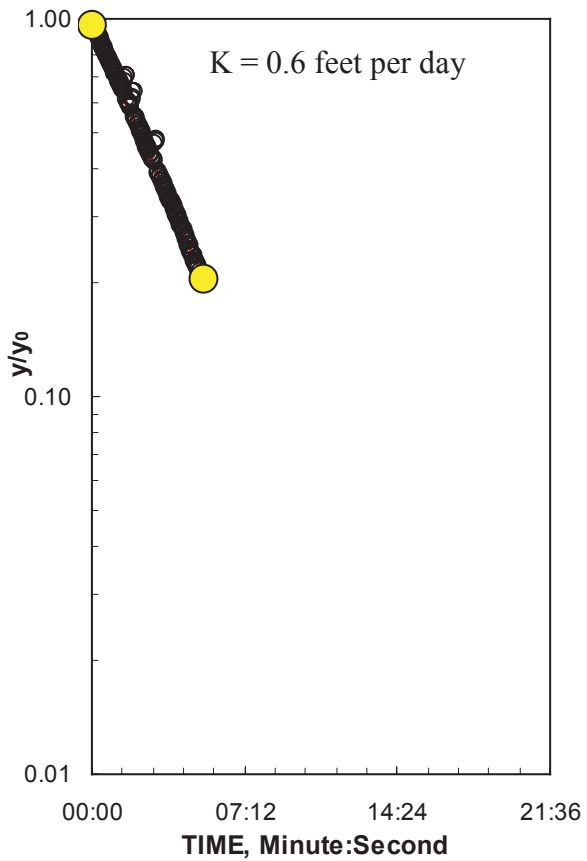
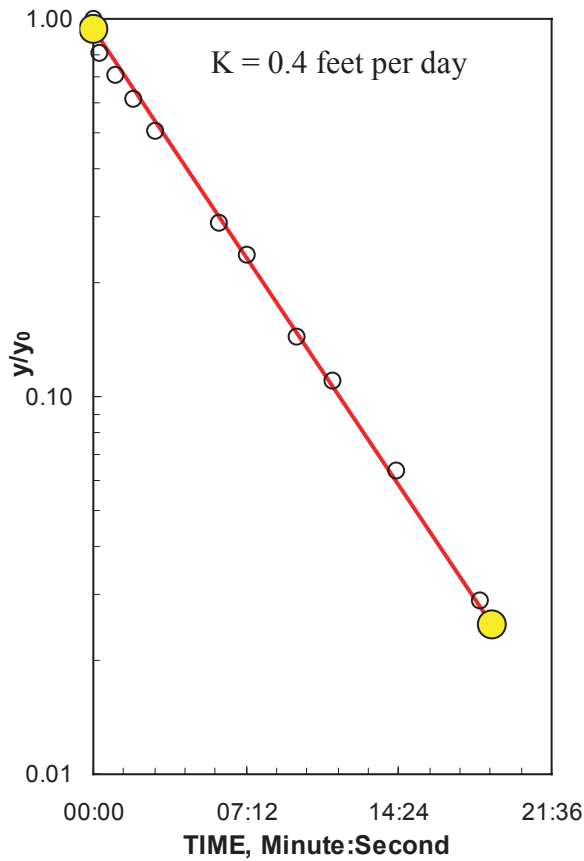


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Summary of slug test analyses for well cc19D.

Construction:		
Casing diameter (d_c)	1	Inch
Annulus diameter (d_w)	4	Inch
Screen Length (L)	1	Feet
Depths to:		
water level (DTW)	2.09	Feet
top of screen (TOS)	8.5	Feet
Base of Aquifer (DTB)	10	Feet
Annular Fill:		
across screen --	Coarse Sand	
above screen --	Silica flour	
Aquifer Material --	Fine Sand	

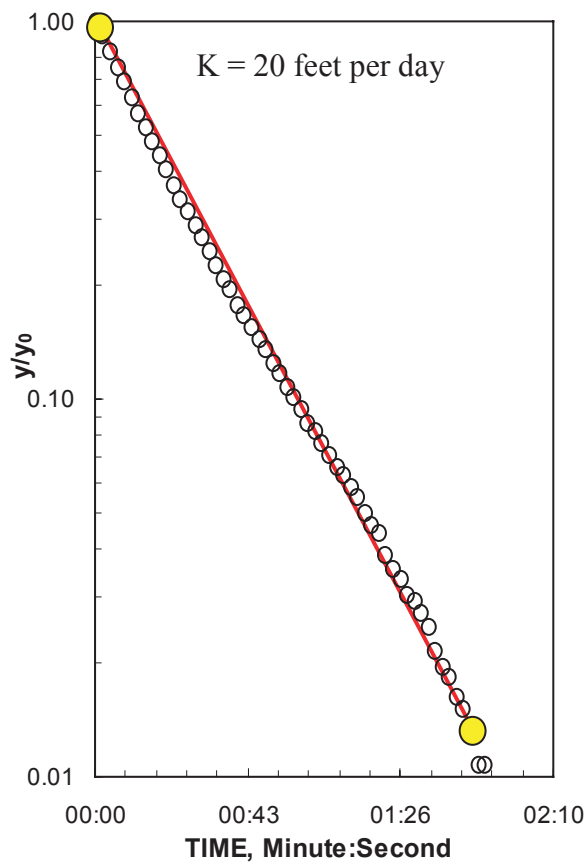
L_{wetted}	1	Feet
D =	7.91	Feet
H =	7.41	Feet
L/r_w =	6.00	
y_0 -DISPLACEMENT =	1.78	Feet
y_0 -SLUG =	1.96	Feet
From look-up table using L/r_w		
Partial penetrate A =	1.766	
B =	0.247	
$\ln(Re/r_w)$ =	1.589	
Re =	0.82	Feet
Slope =	0.001092	\log_{10}/sec
$t_{90\%}$ recovery =	916	sec



Summary of slug test analyses for well cc20.

Construction:		
Casing diameter (d_c)	2	Inch
Annulus diameter (d_w)	4	Inch
Screen Length (L)	1	Feet
Depths to:		
water level (DTW)	1.66	Feet
top of screen (TOS)	5.65	Feet
Base of Aquifer (DTB)	10	Feet
Annular Fill:		
across screen --	Coarse Sand	
above screen --	Silica flour	
Aquifer Material --	Fine Sand	

L_{wetted}	1	Feet
D =	8.34	Feet
H =	4.99	Feet
L/r_w =	6.00	
$y_{0-DISPLACEMENT}$ =	0.93	Feet
y_{0-SLUG} =	0.98	Feet
From look-up table using L/r_w		
Partial penetrate A =	1.766	
B =	0.247	
$\ln(Re/r_w)$ =	1.349	
Re =	0.64	Feet
Slope =	0.017684	\log_{10}/sec
$t_{90\%}$ recovery =	57	sec

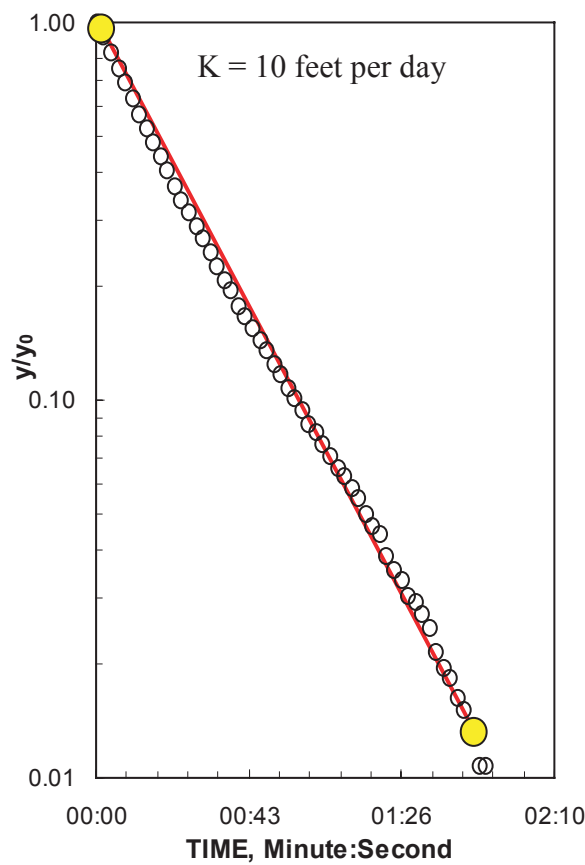


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Summary of slug test analyses for well cc21.

Construction:		
Casing diameter (d_c)	2	Inch
Annulus diameter (d_w)	4	Inch
Screen Length (L)	1	Feet
Depths to:		
water level (DTW)	1.66	Feet
top of screen (TOS)	3.45	Feet
Base of Aquifer (DTB)	10	Feet
Annular Fill:		
across screen --	Coarse Sand	
above screen --	Silica flour	
Aquifer Material --	Fine Sand	

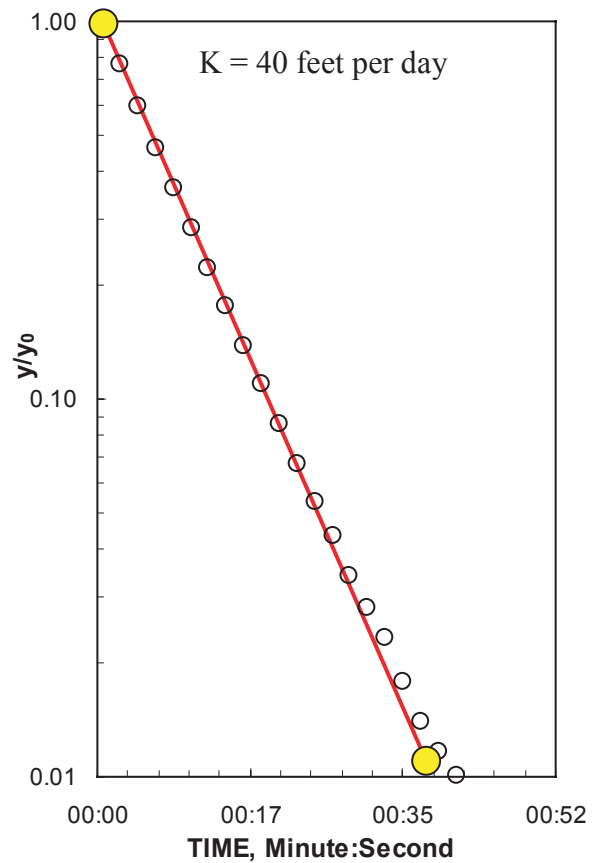
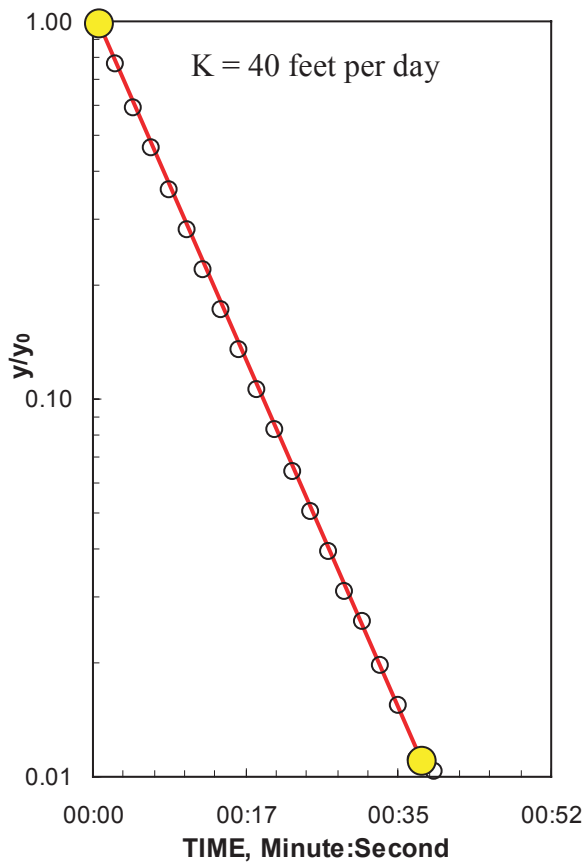
L_{wetted}	1	Feet
D =	8.34	Feet
H =	2.79	Feet
L/r_w =	6.00	
y_0 -DISPLACEMENT =	0.93	Feet
y_0 -SLUG =	0.98	Feet
From look-up table using L/r_w		
Partial penetrate A =	1.766	
B =	0.247	
$\ln(Re/r_w)$ =	1.207	
Re =	0.56	Feet
Slope =	0.017684	\log_{10}/sec
$t_{90\%}$ recovery =	57	sec



Summary of slug test analyses for well cc22.

Construction:		
Casing diameter (d_c)	2	Inch
Annulus diameter (d_w)	4	Inch
Screen Length (L)	1	Feet
Depths to:		
water level (DTW)	2.91	Feet
top of screen (TOS)	4.07	Feet
Base of Aquifer (DTB)	10	Feet
Annular Fill:		
across screen --	Coarse Sand	
above screen --	Silica flour	
Aquifer Material --	Medium Sand	

L_{wetted}	1	Feet
D =	7.09	Feet
H =	2.16	Feet
L/r_w =	6.00	
y_0 -DISPLACEMENT =	1.16	Feet
y_0 -SLUG =	1.31	Feet
From look-up table using L/r_w		
Partial penetrate A =	1.766	
B =	0.247	
$\ln(Re/r_w)$ =	1.159	
Re =	0.53	Feet
Slope =	0.053438	\log_{10}/sec
$t_{90\%}$ recovery =	19	sec

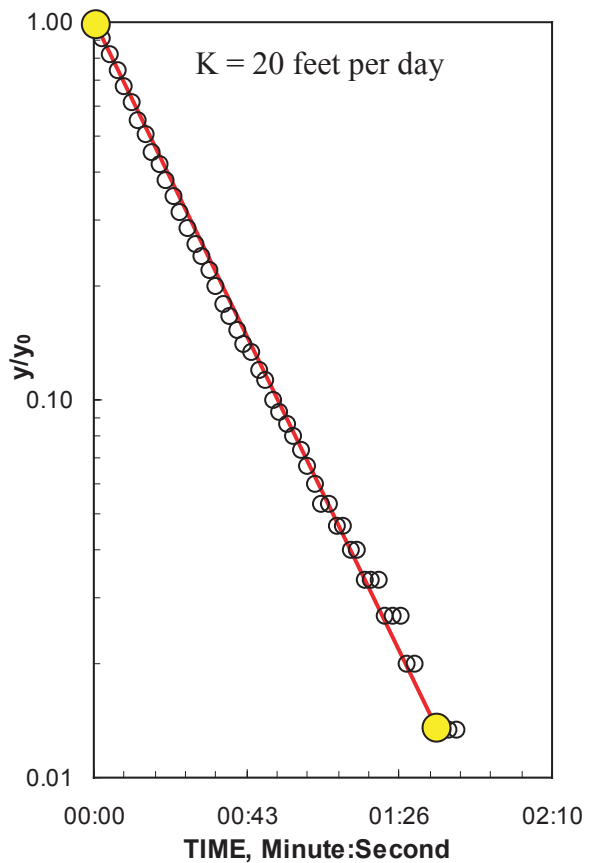
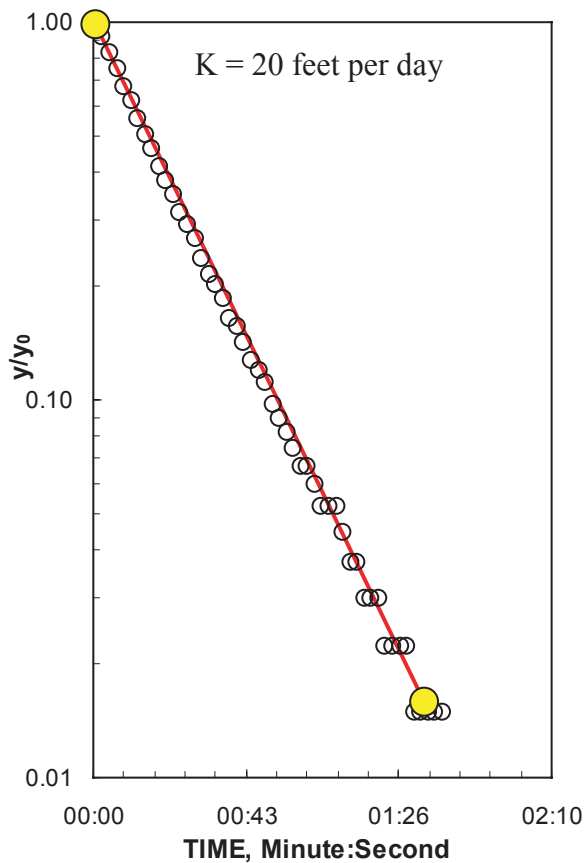


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Summary of slug test analyses for well cc23.

Construction:		
Casing diameter (d_c)	2	Inch
Annulus diameter (d_w)	2	Inch
Screen Length (L)	1	Feet
Depths to:		
water level (DTW)	2.39	Feet
top of screen (TOS)	3.9	Feet
Base of Aquifer (DTB)	10	Feet
Annular Fill:		
across screen --	Coarse Sand	
above screen --	Silica flour	
Aquifer Material --	Medium Sand	

L_{wetted}	1	Feet
D =	7.61	Feet
H =	2.51	Feet
L/r_w =	12.00	
y_0 -DISPLACEMENT =	1.34	Feet
y_0 -SLUG =	1.63	Feet
From look-up table using L/r_w		
Partial penetrate A =	1.963	
B =	0.287	
$\ln(Re/r_w)$ =	1.709	
Re =	0.46	Feet
Slope =	0.019373	\log_{10}/sec
$t_{90\%}$ recovery =	52	sec



Summary of slug test analyses for well cc24.

Construction:		
Casing diameter (d_c)	2	Inch
Annulus diameter (d_w)	4	Inch
Screen Length (L)	1	Feet
Depths to:		
water level (DTW)	2.39	Feet
top of screen (TOS)	4	Feet
Base of Aquifer (DTB)	10	Feet
Annular Fill:		
across screen --	Coarse Sand	
above screen --	Silica flour	
Aquifer Material --	Fine Sand	

L_{wetted}	1	Feet
D =	7.61	Feet
H =	2.61	Feet
L/r_w =	6.00	
y_0 -DISPLACEMENT =	0.93	Feet
y_0 -SLUG =	0.98	Feet
From look-up table using L/r_w		
Partial penetrate A =	1.766	
B =	0.247	
$\ln(Re/r_w)$ =	1.199	
Re =	0.55	Feet
Slope =	0.017684	\log_{10}/sec
$t_{90\%}$ recovery =	57	sec

