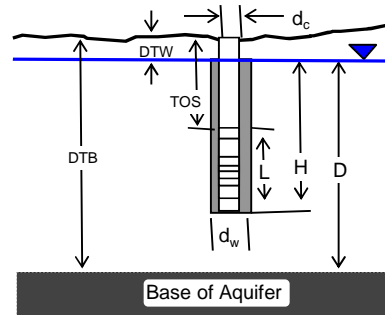


WELL ID: RC3

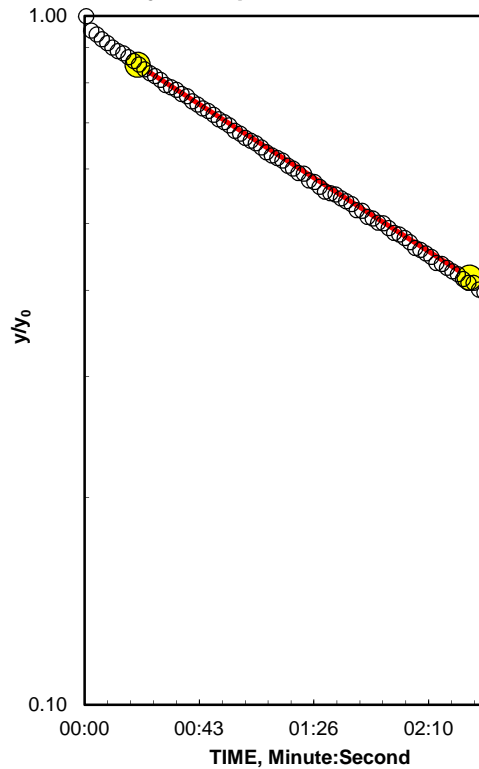
Local ID: Derryadd
 Date: 01/09/2018
 Time: 00:00

INPUT

Construction:	
Casing dia. (d_c)	0.05 Meter
Annulus dia. (d_w)	0.1 Meter
Screen Length (L)	10 Meter
Depths to:	
water level (DTW)	1.9 Meter
top of screen (TOS)	3.5 Meter
Base of Aquifer (DTB)	40 Meter
Annular Fill:	
across screen --	Gravel
above screen --	Bentonite
Aquifer Material -- Limestone, Dolomite	



Adjust slope of line to estimate



COMPUTED

L_{wetted}	10 Meter
D	38.1 Meter
H	11.6 Meter
L/r_w	200.00
y_0 -DISPLACEMENT	2.49 Meter
y_0 -SLUG	2.05 Meter
From look-up table using L/r_w	
Partial penetrate A	6.191
B	1.169
$\ln(Re/r_w)$	3.732
Re	6.85 Meter
Slope	$0.002474 \log_{10}/\text{sec}$
$t_{90\%}$ recovery	404 sec

Input is consistent.

K = 6.6E-07 Meter/Second

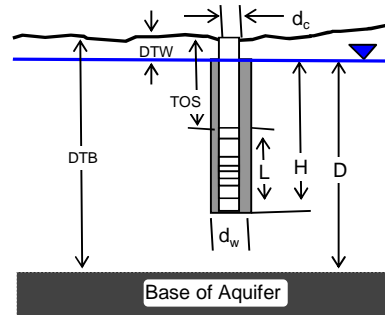
K= 0.00000066 is greater than likely maximum of 0.000000353 for Limestone, Dolom
 REMARKS: Bouwer and Rice analysis of slug test, \

WELL ID: RC3

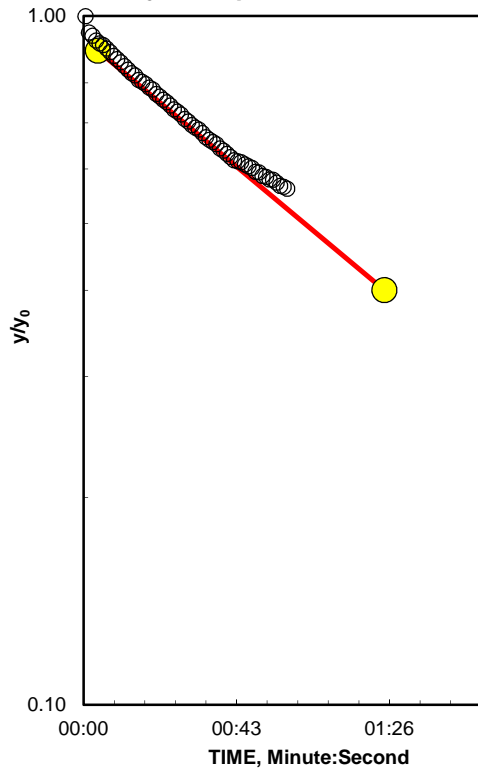
Local ID: Derryadd
 Date: 01/09/2018
 Time: 00:00

INPUT

Construction:	
Casing dia. (d_c)	0.05 Meter
Annulus dia. (d_w)	0.1 Meter
Screen Length (L)	10 Meter
Depths to:	
water level (DTW)	1.6 Meter
top of screen (TOS)	3.5 Meter
Base of Aquifer (DTB)	40 Meter
Annular Fill:	
across screen --	Gravel
above screen --	Bentonite
Aquifer Material -- Limestone, Dolomite	



Adjust slope of line to estimate



COMPUTED

L_{wetted}	10 Meter
D	38.4 Meter
H	11.9 Meter
L/r_w	200.00
y_0 -DISPLACEMENT	2.55 Meter
y_0 -SLUG	2.05 Meter
From look-up table using L/r_w	
Partial penetrate A	6.191
B	1.169
$\ln(Re/r_w)$	3.745
Re	6.95 Meter
Slope	$0.004294 \log_{10}/\text{sec}$
$t_{90\%}$ recovery	233 sec

Input is consistent.

K = 1.2E-06 Meter/Second

K= 0.0000012 is greater than likely maximum of 0.000000353 for Limestone, Dolomi
 REMARKS: Bouwer and Rice analysis of slug test, \