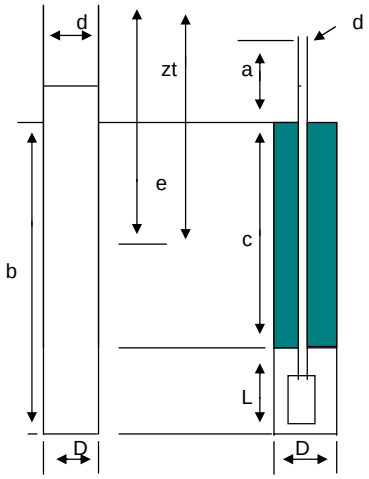
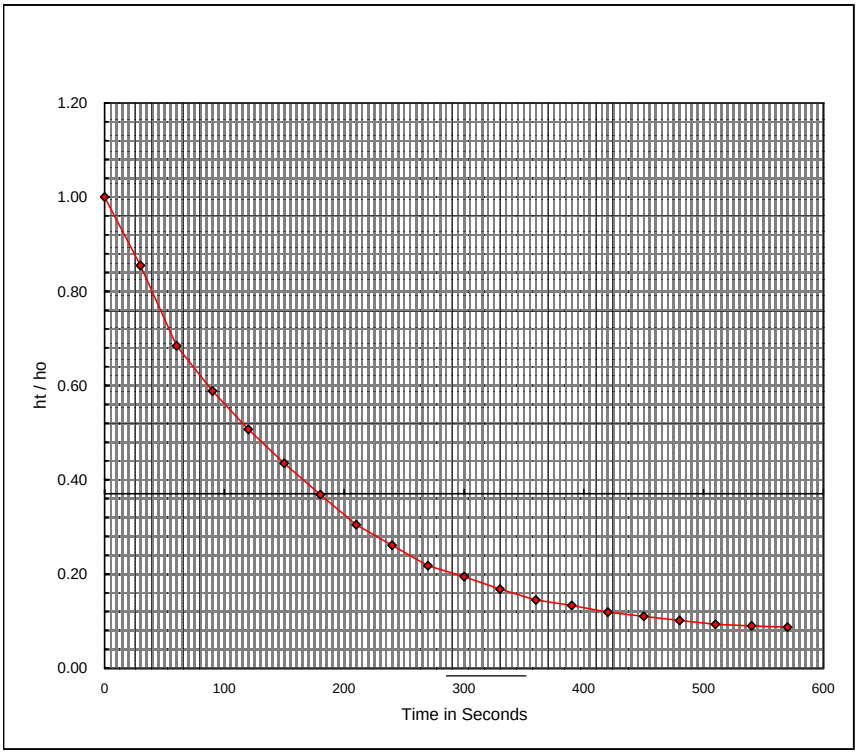
Site: Bishopton
Project: B0060/00
Borehole: LPI09BH
Date: 11/02/09
Test: 1
Permeability: 9.30E-06 m/s

Internal Diameter of casing/tubing	(d)	0.05	m
Borehole diameter	(D)	0.127	m
Depth of casing/grout	(c)	23.5	m
Depth of borehole	(b)	28	m
Depth to groundwater	(e)	0.35	m
Height of casing/tubing above G.L.	(a)	0.34	m
Initial water level in casing/tubing	(zo)	3.8	m
Length of filter Zone	(L)	4.5	m
Initial head difference, ho = e-zo	=	-3.45	m



At Time 't', head difference, h = e-zt

Time from start (sec)	Depth to water zt (m)	Head Difference ht (m)	ht / ho
0	3.80	-3.450	1.00
30	3.30	-2.950	0.86
60	2.71	-2.360	0.68
90	2.38	-2.030	0.59
120	2.10	-1.750	0.51
150	1.85	-1.500	0.43
180	1.62	-1.270	0.37
210	1.40	-1.050	0.30
240	1.25	-0.900	0.26
270	1.10	-0.750	0.22
300	1.02	-0.670	0.19
330	0.93	-0.580	0.17
360	0.85	-0.500	0.14
390	0.81	-0.460	0.13
420	0.76	-0.410	0.12
450	0.73	-0.380	0.11
480	0.70	-0.350	0.10
510	0.67	-0.320	0.09
540	0.66	-0.310	0.09
570	0.65	-0.300	0.09



Permeability
BS5930:1999 Method 1 (after Hvorslev)

k = A/FT where:

k= Permeability
A= Cross-sectional area of casing or standpipe (m2)
F= Intake factor
T= Basic time factor - elapsed time at H/Ho of 0.37 (s)

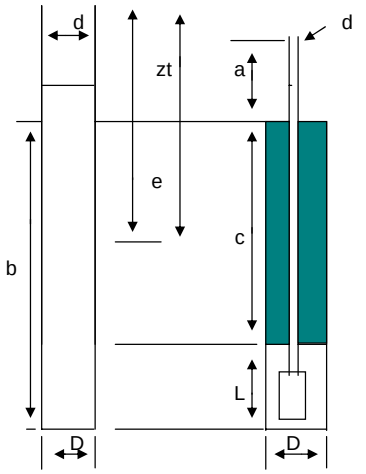
A= 0.012668
F= 7.57
T= 180 Read from graph
K= 9.30E-06

Intake Factor
from BS5930:1999 Figure 7
L/D= 35.4330709
F/D= 59.6052387

Site: Bishopton
Project: B0060/00
Borehole: ASPA
Date: 18/03/09
Test: 1
Permeability: 5.39E-07 m/s

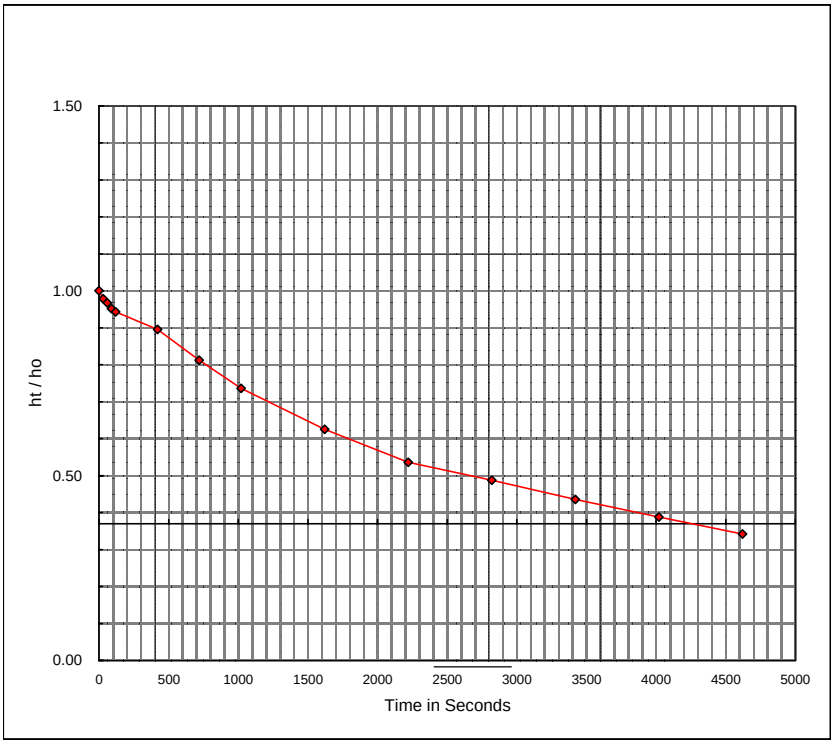
BAE SYSTEMS

Internal Diameter of casing/tubing	(d)	0.12	m
Borehole diameter	(D)	0.2	m
Depth of casing/grout	(c)	7	m
Depth of borehole	(b)	10	m
Depth to groundwater	(e)	3.48	m
Height of casing/tubing above G.L.	(a)	0.62	m
Initial water level in casing/tubing	(zo)	8.07	m
Length of filter Zone	(L)	8.5	m
Initial head difference, ho = e-zo	=	-4.59	m



At Time 't', head difference, h = e-zt

Time from star (sec)	Depth to water zt (m)	Head Difference ht (m)	ht / ho
0	8.07	-4.590	1.00
30	7.97	-4.490	0.98
60	7.92	-4.440	0.97
90	7.85	-4.370	0.95
120	7.81	-4.330	0.94
420	7.59	-4.110	0.90
720	7.21	-3.730	0.81
1020	6.86	-3.380	0.74
1620	6.35	-2.870	0.63
2220	5.94	-2.460	0.54
2820	5.72	-2.240	0.49
3420	5.48	-2.000	0.44
4020	5.26	-1.780	0.39
4620	5.05	-1.570	0.34



Permeability
BS5930:1999 Method 1 (after Hvorslev)

k = A/FT where:

k= Permeability
A= Cross-sectional area of casing or standpipe (m2)
F= Intake factor
T= Basic time factor - elapsed time at H/Ho of 0.37 (s)

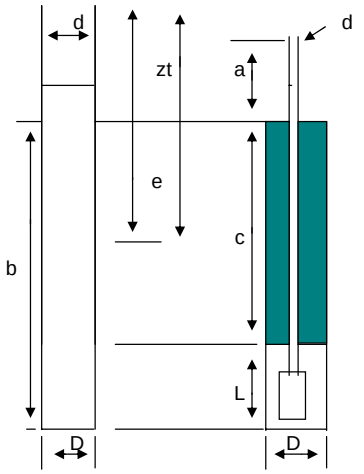
A= 0.031416
F= 13.72
T= 4250 Read from graph
K= 5.39E-07

Intake Factor
from BS5930:1999 Figure 7
L/D= 42.5
F/D= 68.6140777

Site: Bishopton
Project: B0060/00
Borehole: BH1074D
Date: 19/03/09
Test: 1
Permeability: 1.97E-05 m/s

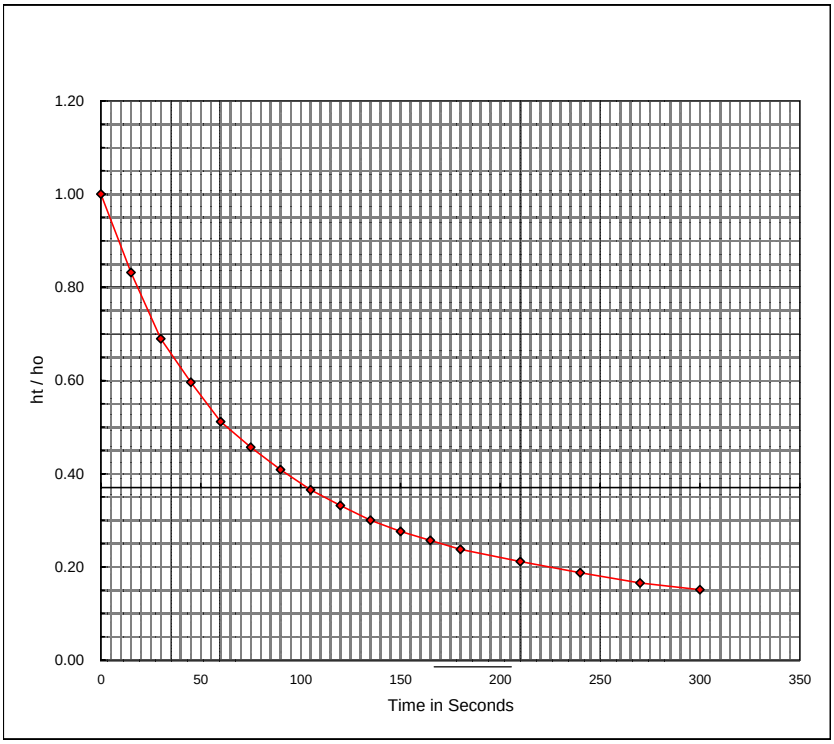
BAE SYSTEMS

Internal Diameter of casing/tubing	(d)	0.05	m
Borehole diameter	(D)	0.15	m
Depth of casing/grout	(c)	7	m
Depth of borehole	(b)	12	m
Depth to groundwater	(e)	1	m
Height of casing/tubing above G.L.	(a)	0.45	m
Initial water level in casing/tubing	(zo)	5.16	m
Length of filter Zone	(L)	5	m
Initial head difference, ho = e-zo	=	-4.16	m



At Time 't', head difference, h = e-zt

Time from star (sec)	Depth to water zt (m)	Head Difference ht (m)	ht / ho
0	5.16	-4.160	1.00
15	4.46	-3.460	0.83
30	3.87	-2.870	0.69
45	3.48	-2.480	0.60
60	3.13	-2.130	0.51
75	2.90	-1.900	0.46
90	2.70	-1.700	0.41
105	2.52	-1.520	0.37
120	2.38	-1.380	0.33
135	2.25	-1.250	0.30
150	2.15	-1.150	0.28
165	2.07	-1.070	0.26
180	1.99	-0.990	0.24
210	1.88	-0.880	0.21
240	1.78	-0.780	0.19
270	1.69	-0.690	0.17
300	1.63	-0.630	0.15



Permeability
BS5930:1999 Method 1 (after Hvorslev)

k = A/FT where:

k= Permeability
A= Cross-sectional area of casing or standpipe (m2)
F= Intake factor
T= Basic time factor - elapsed time at H/Ho of 0.37 (s)

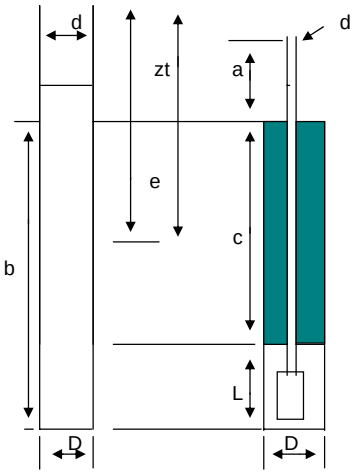
A= 0.017671
F= 8.53
T= 105 Read from graph
K= 1.97E-05

Intake Factor
from BS5930:1999 Figure 7
L/D= 33.3333333
F/D= 56.8746568

Site: Bishopton
Project: B0060/00
Borehole: BH1412
Date: 18/03/09
Test: 1
Permeability: 2.45E-05 m/s

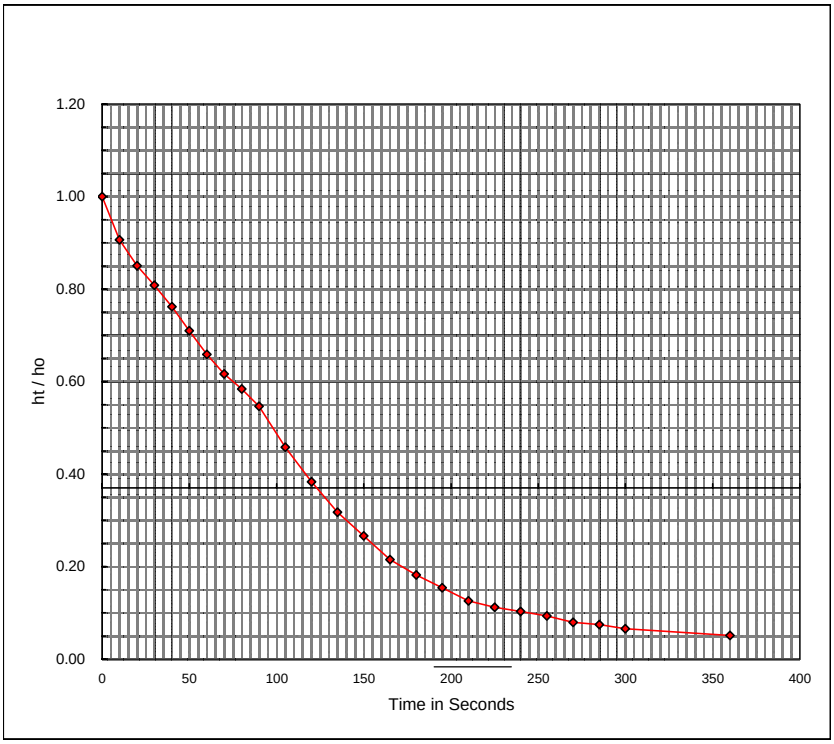
BAE SYSTEMS

Internal Diameter of casing/tubing	(d)	0.05	m
Borehole diameter	(D)	0.15	m
Depth of casing/grout	(c)	2	m
Depth of borehole	(b)	5	m
Depth to groundwater	(e)	1.88	m
Height of casing/tubing above G.L.	(a)	0.34	m
Initial water level in casing/tubing	(zo)	4.02	m
Length of filter Zone	(L)	3	m
Initial head difference, ho = e-zo	=	-2.14	m



At Time 't', head difference, h = e-zt

Time from star (sec)	Depth to water zt (m)	Head Difference ht (m)	ht / ho
0	4.02	-2.140	1.00
10	3.82	-1.940	0.91
20	3.70	-1.820	0.85
30	3.61	-1.730	0.81
40	3.51	-1.630	0.76
50	3.40	-1.520	0.71
60	3.29	-1.410	0.66
70	3.20	-1.320	0.62
80	3.13	-1.250	0.58
90	3.05	-1.170	0.55
105	2.86	-0.980	0.46
120	2.70	-0.820	0.38
135	2.56	-0.680	0.32
150	2.45	-0.570	0.27
165	2.34	-0.460	0.21
180	2.27	-0.390	0.18
195	2.21	-0.330	0.15
210	2.15	-0.270	0.13
225	2.12	-0.240	0.11
240	2.10	-0.220	0.10
255	2.08	-0.200	0.09
270	2.05	-0.170	0.08
285	2.04	-0.160	0.07
300	2.02	-0.140	0.07
360	1.99	-0.110	0.05



Permeability
BS5930:1999 Method 1 (after Hvorslev)

k = A/FT where:

k= Permeability
A= Cross-sectional area of casing or standpipe (m2)
F= Intake factor
T= Basic time factor - elapsed time at H/Ho of 0.37 (s)

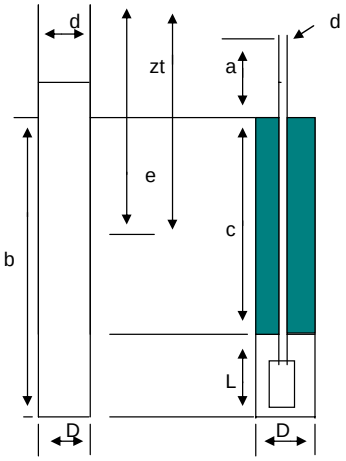
A= 0.017671
F= 5.81
T= 124 Read from graph
K= 2.45E-05

Intake Factor
from BS5930:1999 Figure 7
L/D= 20
F/D= 38.75622

Site: Bishopton
Project: B0060/00
Borehole: BH2225
Date: 18/03/09
Test: 1
Permeability: 7.44E-07 m/s

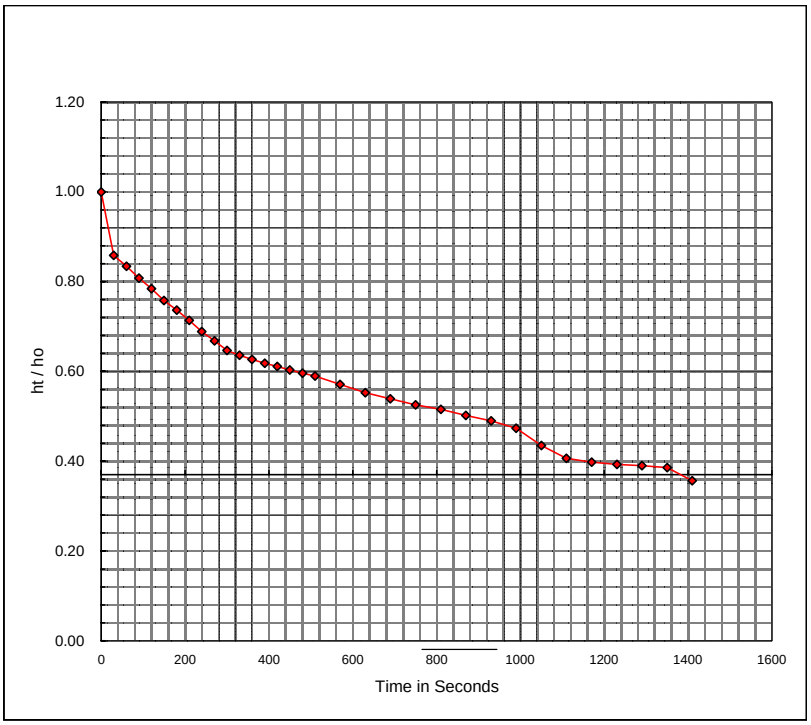
BAE SYSTEMS

Internal Diameter of casing/tubing	(d	0.05	m
Borehole diameter	(D	0.15	m
Depth of casing/grout	(c	2.8	m
Depth of borehole	(b)	15	m
Depth to groundwater	(e	0.95	m
Height of casing/tubing above G.L.	(a)	0.37	m
Initial water level in casing/tubing	(zo	13.7	m
Length of filter Zone	(L)	12.2	m
Initial head difference, ho = e-zo	=	-12.75	m



At Time 't', head difference, h = e-zt

Time from sta (sec)	Depth to water zt (m)	Head Difference ht (m)	ht / ho
0	13.70	-12.750	1.00
30	11.90	-10.950	0.86
60	11.59	-10.640	0.83
90	11.25	-10.300	0.81
120	10.95	-10.000	0.78
150	10.61	-9.660	0.76
180	10.34	-9.390	0.74
210	10.05	-9.100	0.71
240	9.73	-8.780	0.69
270	9.47	-8.520	0.67
300	9.20	-8.250	0.65
330	9.06	-8.110	0.64
360	8.94	-7.990	0.63
390	8.83	-7.880	0.62
420	8.74	-7.790	0.61
450	8.64	-7.690	0.60
480	8.55	-7.600	0.60
510	8.47	-7.520	0.59
570	8.23	-7.280	0.57
630	8.00	-7.050	0.55
690	7.82	-6.870	0.54
750	7.65	-6.700	0.53
810	7.52	-6.570	0.52
870	7.35	-6.400	0.50
930	7.20	-6.250	0.49
990	6.99	-6.040	0.47
1050	6.50	-5.550	0.44
1110	6.13	-5.180	0.41
1170	6.02	-5.070	0.40
1230	5.96	-5.010	0.39
1290	5.92	-4.970	0.39
1350	5.87	-4.920	0.39
1410	5.50	-4.550	0.36



Permeability
BS5930:1999 Method 1 (after Hvorslev)

k = A/FT where:

k= Permeability
A= Cross-sectional area of casing or standpipe (m2)
F= Intake factor
T= Basic time factor - elapsed time at H/Ho of 0.37 (s)

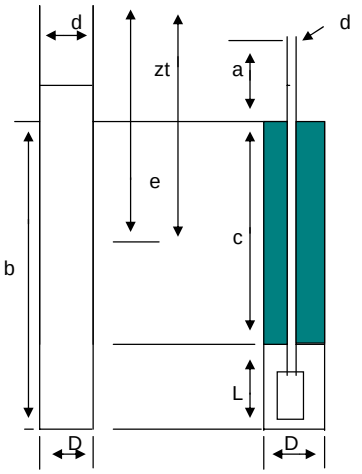
A= 0.017671
F= 17.22
T= 1380 Read from graph
K= 7.44E-07

Intake Factor
from BS5930:1999 Figure 7
L/D= 81.3333333
F/D= 114.805312

Site: Bishopton
Project: B0060/00
Borehole: BH2264
Date: 18/03/09
Test: 1
Permeability: 1.03E-06 m/s

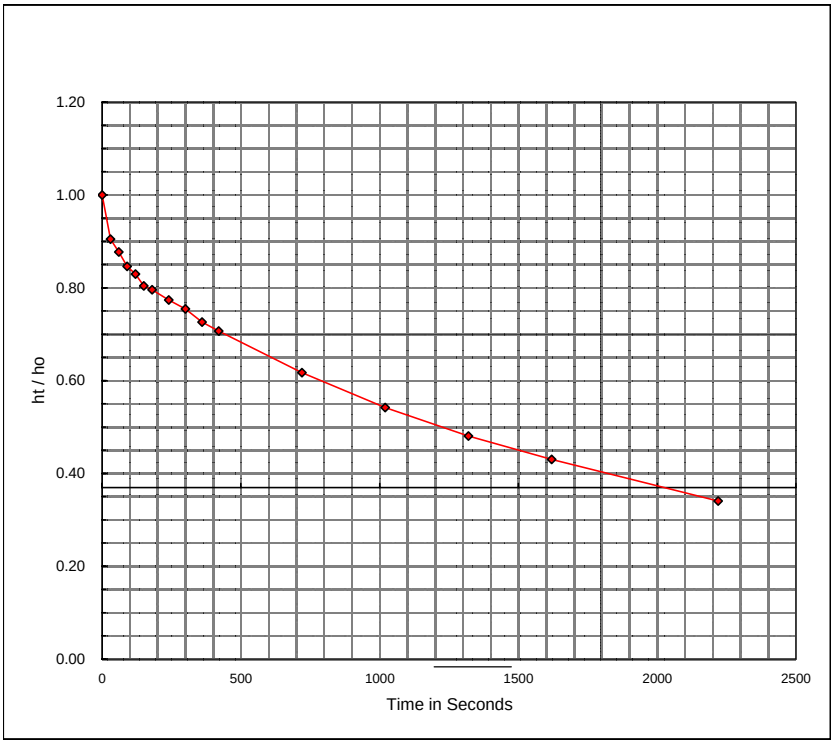
BAE SYSTEMS

Internal Diameter of casing/tubing	(d)	0.05	m
Borehole diameter	(D)	0.15	m
Depth of casing/grout	(c)	6.3	m
Depth of borehole	(b)	11.25	m
Depth to groundwater	(e)	0.76	m
Height of casing/tubing above G.L.	(a)	0.4	m
Initial water level in casing/tubing	(zo)	4.34	m
Length of filter Zone	(L)	4.95	m
Initial head difference, ho = e-zo	=	-3.58	m



At Time 't', head difference, h = e-zt

Time from star (sec)	Depth to water zt (m)	Head Difference ht (m)	ht / ho
0	4.34	-3.580	1.00
30	4.00	-3.240	0.91
60	3.90	-3.140	0.88
90	3.79	-3.030	0.85
120	3.73	-2.970	0.83
150	3.64	-2.880	0.80
180	3.61	-2.850	0.80
240	3.53	-2.770	0.77
300	3.46	-2.700	0.75
360	3.36	-2.600	0.73
420	3.29	-2.530	0.71
720	2.97	-2.210	0.62
1020	2.70	-1.940	0.54
1320	2.48	-1.720	0.48
1620	2.30	-1.540	0.43
2220	1.98	-1.220	0.34



Permeability
BS5930:1999 Method 1 (after Hvorslev)

k = A/FT where:

k= Permeability
A= Cross-sectional area of casing or standpipe (m2)
F= Intake factor
T= Basic time factor - elapsed time at H/Ho of 0.37 (s)

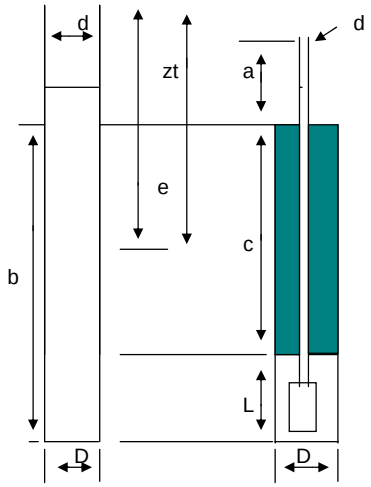
A= 0.017671
F= 8.47
T= 2020 Read from graph
K= 1.03E-06

Intake Factor
from BS5930:1999 Figure 7
L/D= 33
F/D= 56.4386448

Site: Bishopton
Project: B0060/00
Borehole: BH2648
Date: 18/03/09
Test: 1
Permeability: 2.05E-07 m/s

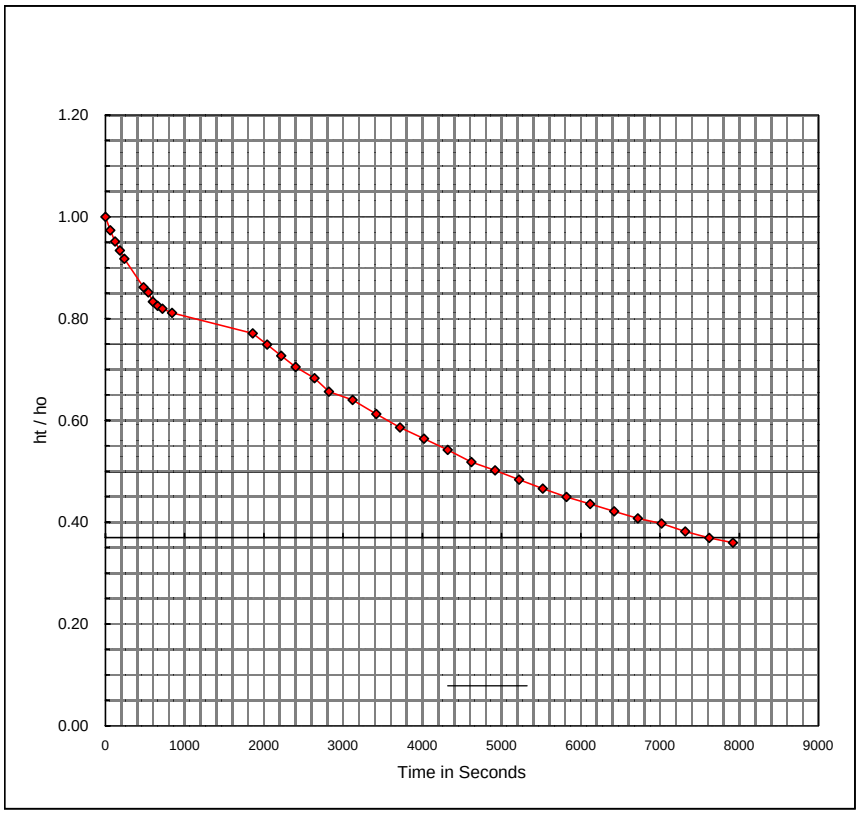
BAE SYSTEMS

Internal Diameter of casing/tubing	(d)	0.05	m
Borehole diameter	(D)	0.15	m
Depth of casing/grout	(c)	7.8	m
Depth of borehole	(b)	15	m
Depth to groundwater	(e)	1.1	m
Height of casing/tubing above G.L.	(a)	0.35	m
Initial water level in casing/tubing	(zo)	6.08	m
Length of filter Zone	(L)	7.2	m
Initial head difference, ho = e-zo	=	-4.98	m



At Time 't', head difference, h = e-zt

Time from star (sec)	Depth to water zt (m)	Head Difference ht (m)	ht / ho
0	6.08	-4.980	1.00
60	5.95	-4.850	0.97
120	5.84	-4.740	0.95
180	5.75	-4.650	0.93
240	5.67	-4.570	0.92
480	5.39	-4.290	0.86
540	5.34	-4.240	0.85
600	5.25	-4.150	0.83
660	5.21	-4.110	0.83
720	5.18	-4.080	0.82
840	5.14	-4.040	0.81
1860	4.94	-3.840	0.77
2040	4.83	-3.730	0.75
2220	4.72	-3.620	0.73
2400	4.61	-3.510	0.70
2640	4.50	-3.400	0.68
2820	4.37	-3.270	0.66
3120	4.29	-3.190	0.64
3420	4.15	-3.050	0.61
3720	4.02	-2.920	0.59
4020	3.91	-2.810	0.56
4320	3.80	-2.700	0.54
4620	3.68	-2.580	0.52
4920	3.60	-2.500	0.50
5220	3.51	-2.410	0.48
5520	3.42	-2.320	0.47
5820	3.34	-2.240	0.45
6120	3.27	-2.170	0.44
6420	3.20	-2.100	0.42
6720	3.13	-2.030	0.41
7020	3.08	-1.978	0.40
7320	3.00	-1.900	0.38
7620	2.94	-1.840	0.37
7920	2.89	-1.790	0.36



Permeability
BS5930:1999 Method 1 (after Hvorslev)

k = A/FT where:

k= Permeability
A= Cross-sectional area of casing or standpipe (m2)
F= Intake factor
T= Basic time factor - elapsed time at H/Ho of 0.37 (s)

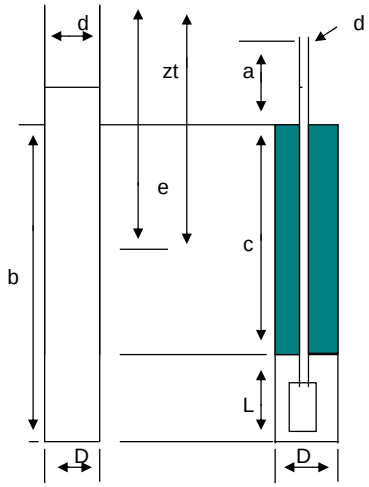
A= 0.017671
F= 11.32
T= 7620 Read from graph
K= 2.05E-07

Intake Factor
from BS5930:1999 Figure 7
L/D= 48
F/D= 75.4598446

Site: Bishopton
Project: B0060/00
Borehole: BH2669
Date: 19/03/09
Test: 1
Permeability: 2.39E-07 m/s

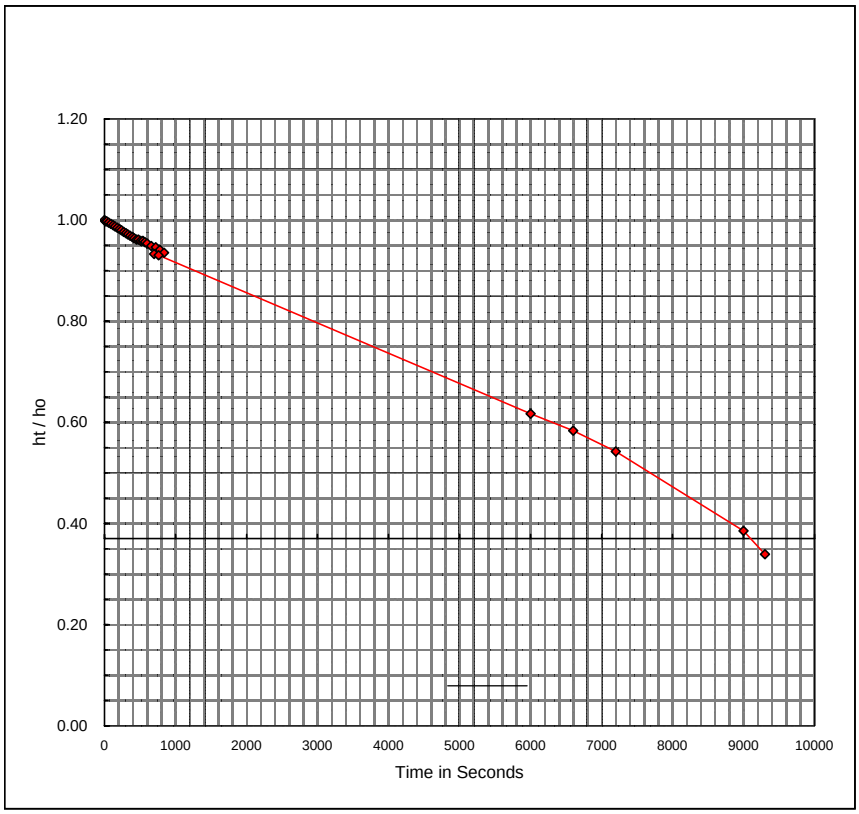
BAE SYSTEMS

Internal Diameter of casing/tubing	(d)	0.05	m
Borehole diameter	(D)	0.15	m
Depth of casing/grout	(c)	2.3	m
Depth of borehole	(b)	7	m
Depth to groundwater	(e)	0.92	m
Height of casing/tubing above G.L.	(a)	0.36	m
Initial water level in casing/tubing	(zo)	4.81	m
Length of filter Zone	(L)	4.7	m
Initial head difference, ho = e-zo	=	-3.89	m



At Time 't', head difference, h = e-zt

Time from star (sec)	Depth to water zt (m)	Head Difference ht (m)	ht / ho
0	4.81	-3.890	1.00
15	4.80	-3.880	1.00
30	4.80	-3.880	1.00
60	4.79	-3.870	0.99
90	4.78	-3.860	0.99
120	4.77	-3.850	0.99
150	4.76	-3.840	0.99
180	4.75	-3.830	0.98
210	4.74	-3.820	0.98
240	4.73	-3.810	0.98
270	4.72	-3.800	0.98
300	4.71	-3.790	0.97
330	4.70	-3.780	0.97
360	4.69	-3.770	0.97
390	4.68	-3.760	0.97
420	4.67	-3.750	0.96
450	4.66	-3.740	0.96
480	4.66	-3.740	0.96
510	4.65	-3.730	0.96
540	4.65	-3.730	0.96
570	4.64	-3.720	0.96
600	4.63	-3.710	0.95
660	4.61	-3.690	0.95
720	4.60	-3.680	0.95
780	4.58	-3.660	0.94
840	4.56	-3.640	0.94
700	4.55	-3.630	0.93
760	4.54	-3.620	0.93
6000	3.32	-2.400	0.62
6600	3.19	-2.270	0.58
7200	3.03	-2.110	0.54
9000	2.42	-1.500	0.39
9300	2.24	-1.320	0.34



Permeability
BS5930:1999 Method 1 (after Hvorslev)

k = A/FT where:

k= Permeability
A= Cross-sectional area of casing or standpipe (m2)
F= Intake factor
T= Basic time factor - elapsed time at H/Ho of 0.37 (s)

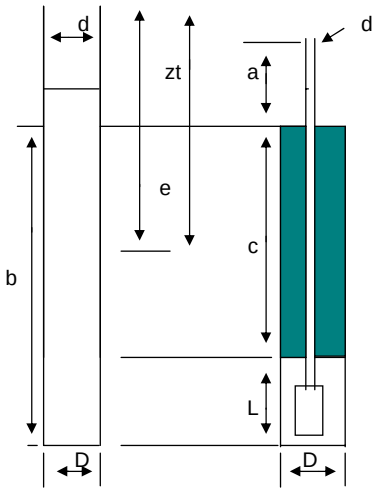
A= 0.017671
F= 8.14
T= 9100 Read from graph
K= 2.39E-07

Intake Factor
from BS5930:1999 Figure 7
L/D= 31.3333333
F/D= 54.2476235

Site: Bishopton
Project: B0060/00
Borehole: BH2671
Date: 19/03/09
Test: 1
Permeability: 1.03E-06 m/s

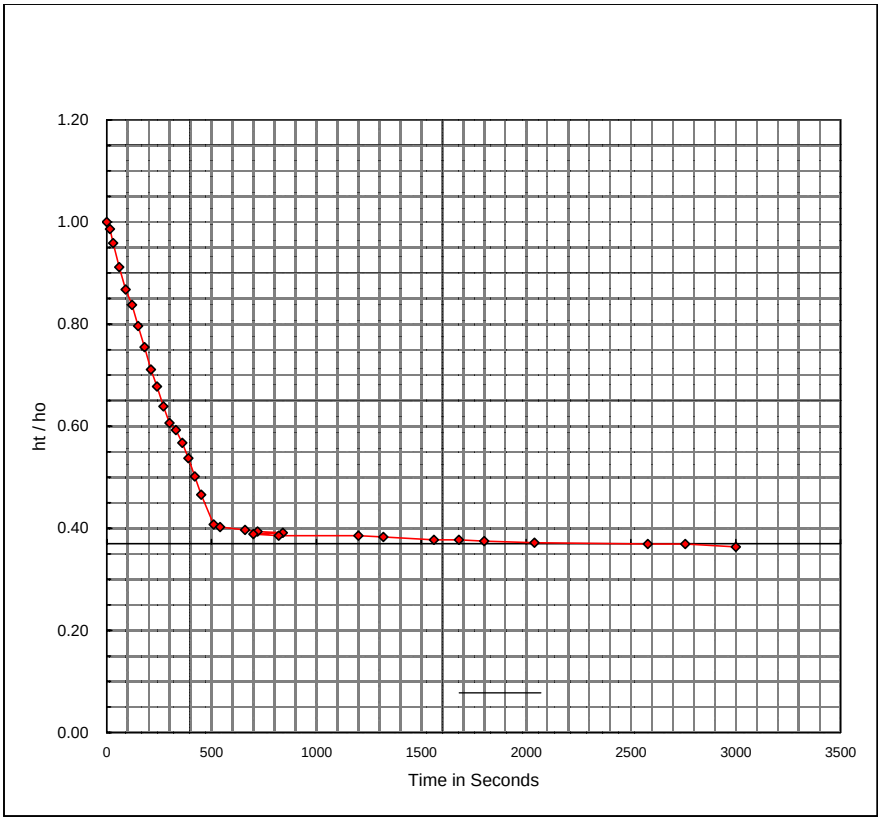
BAE SYSTEMS

Internal Diameter of casing/tubing	(d)	0.05	m
Borehole diameter	(D)	0.15	m
Depth of casing/grout	(c)	2.8	m
Depth of borehole	(b)	7	m
Depth to groundwater	(e)	1.47	m
Height of casing/tubing above G.L.	(a)	0.36	m
Initial water level in casing/tubing	(zo)	5.1	m
Length of filter Zone	(L)	4.2	m
Initial head difference, ho = e-zo	=	-3.63	m



At Time 't', head difference, h = e-zt

Time from star (sec)	Depth to water zt (m)	Head Difference ht (m)	ht / ho
0	5.10	-3.630	1.00
15	5.05	-3.580	0.99
30	4.95	-3.480	0.96
60	4.78	-3.310	0.91
90	4.62	-3.150	0.87
120	4.51	-3.040	0.84
150	4.36	-2.890	0.80
180	4.21	-2.740	0.75
210	4.05	-2.580	0.71
240	3.93	-2.460	0.68
270	3.79	-2.320	0.64
300	3.67	-2.200	0.61
330	3.62	-2.150	0.59
360	3.53	-2.060	0.57
390	3.42	-1.950	0.54
420	3.29	-1.820	0.50
450	3.16	-1.690	0.47
510	2.95	-1.480	0.41
540	2.93	-1.460	0.40
660	2.91	-1.440	0.40
720	2.90	-1.430	0.39
840	2.89	-1.420	0.39
700	2.88	-1.410	0.39
820	2.87	-1.400	0.39
1200	2.87	-1.400	0.39
1320	2.86	-1.390	0.38
1560	2.84	-1.370	0.38
1680	2.84	-1.370	0.38
1800	2.83	-1.360	0.37
2040	2.82	-1.350	0.37
2580	2.81	-1.340	0.37
2760	2.81	-1.340	0.37
3000	2.79	-1.320	0.36



Permeability
BS5930:1999 Method 1 (after Hvorslev)

k = A/FT where:

k= Permeability
A= Cross-sectional area of casing or standpipe (m2)
F= Intake factor
T= Basic time factor - elapsed time at H/Ho of 0.37 (s)

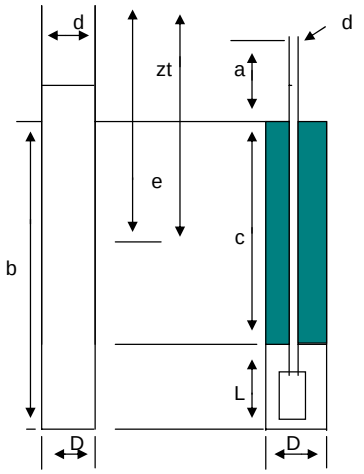
A= 0.017671
F= 7.47
T= 2300 Read from graph
K= 1.03E-06

Intake Factor
from BS5930:1999 Figure 7
L/D= 28
F/D= 49.8066596

Site: Bishopton
Project: B0060/00
Borehole: BH2682
Date: 19/03/09
Test: 1
Permeability: 2.22E-06 m/s

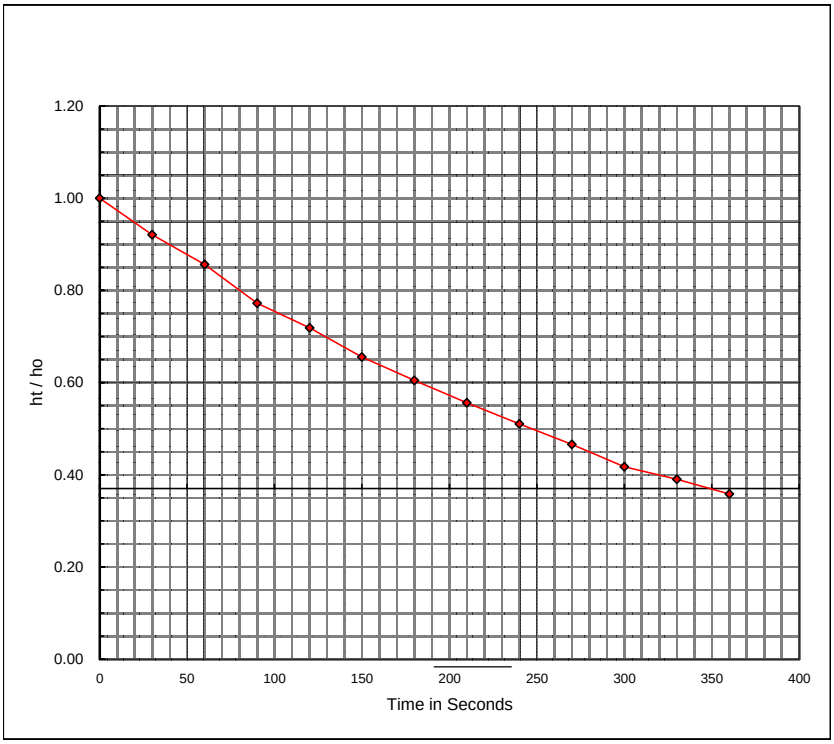
BAE SYSTEMS

Internal Diameter of casing/tubing	(d)	0.05	m
Borehole diameter	(D)	0.115	m
Depth of casing/grout	(c)	30.5	m
Depth of borehole	(b)	40	m
Depth to groundwater	(e)	0.46	m
Height of casing/tubing above G.L.	(a)	0.43	m
Initial water level in casing/tubing	(zo)	6.79	m
Length of filter Zone	(L)	9.5	m
Initial head difference, ho = e-zo	=	-6.33	m



At Time 't', head difference, h = e-zt

Time from star (sec)	Depth to water zt (m)	Head Difference ht (m)	ht / ho
0	6.79	-6.330	1.00
30	6.29	-5.830	0.92
60	5.88	-5.420	0.86
90	5.35	-4.890	0.77
120	5.01	-4.550	0.72
150	4.61	-4.150	0.66
180	4.29	-3.830	0.61
210	3.98	-3.520	0.56
240	3.69	-3.230	0.51
270	3.41	-2.950	0.47
300	3.10	-2.640	0.42
330	2.93	-2.470	0.39
360	2.73	-2.270	0.36



Permeability
BS5930:1999 Method 1 (after Hvorslev)

k = A/FT where:

k= Permeability
A= Cross-sectional area of casing or standpipe (m2)
F= Intake factor
T= Basic time factor - elapsed time at H/Ho of 0.37 (s)

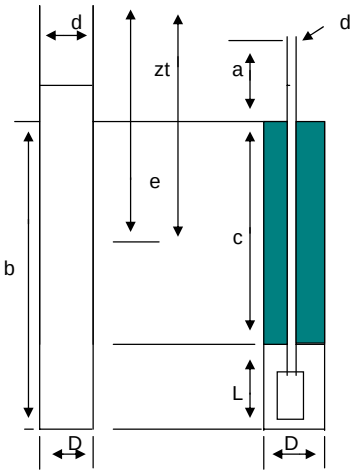
A= 0.010387
F= 13.37
T= 350 Read from graph
K= 2.22E-06

Intake Factor
from BS5930:1999 Figure 7
L/D= 82.6086957
F/D= 116.255253

Site: Bishopton
Project: B0060/00
Borehole: WS3087
Date: 19/03/09
Test: 1
Permeability: 1.59E-07 m/s

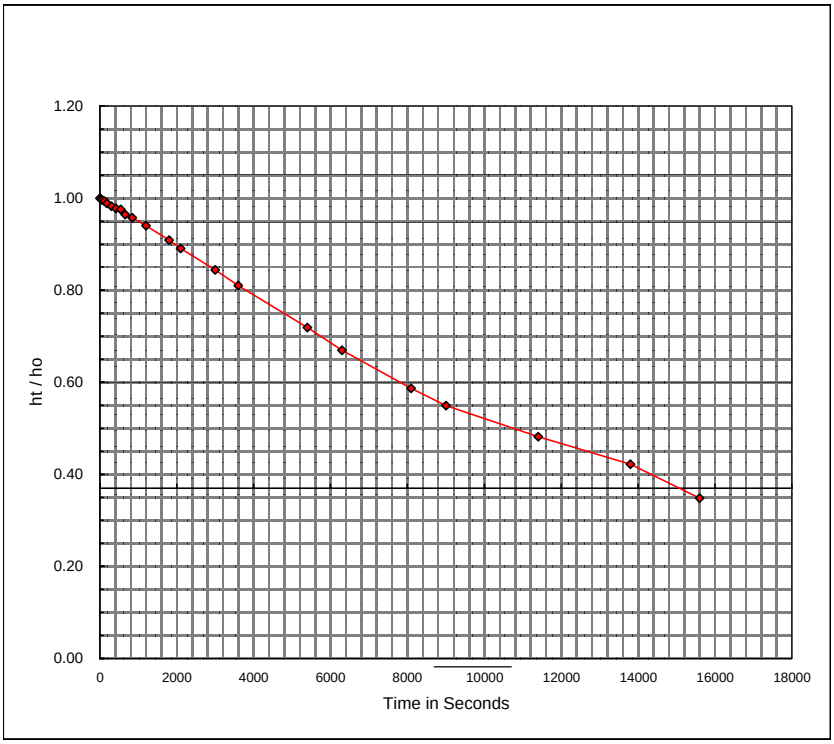
BAE SYSTEMS

Internal Diameter of casing/tubing	(d)	0.05	m
Borehole diameter	(D)	0.115	m
Depth of casing/grout	(c)	3.8	m
Depth of borehole	(b)	6	m
Depth to groundwater	(e)	1.48	m
Height of casing/tubing above G.L.	(a)	0.28	m
Initial water level in casing/tubing	(zo)	5.96	m
Length of filter Zone	(L)	2.2	m
Initial head difference, ho = e-zo	=	-4.48	m



At Time 't', head difference, h = e-zt

Time from star (sec)	Depth to water zt (m)	Head Difference ht (m)	ht / ho
0	5.96	-4.480	1.00
30	5.95	-4.470	1.00
60	5.94	-4.460	1.00
120	5.93	-4.450	0.99
180	5.91	-4.430	0.99
300	5.88	-4.400	0.98
420	5.86	-4.380	0.98
540	5.85	-4.370	0.98
660	5.80	-4.320	0.96
840	5.77	-4.290	0.96
1200	5.69	-4.210	0.94
1800	5.55	-4.070	0.91
2100	5.47	-3.990	0.89
3000	5.26	-3.780	0.84
3600	5.11	-3.630	0.81
5400	4.70	-3.220	0.72
6300	4.48	-3.000	0.67
8100	4.11	-2.630	0.59
9000	3.94	-2.460	0.55
11400	3.64	-2.160	0.48
13800	3.37	-1.890	0.42
15600	3.04	-1.560	0.35



Permeability
BS5930:1999 Method 1 (after Hvorslev)

k = A/FT where:

k= Permeability
A= Cross-sectional area of casing or standpipe (m2)
F= Intake factor
T= Basic time factor - elapsed time at H/Ho of 0.37 (s)

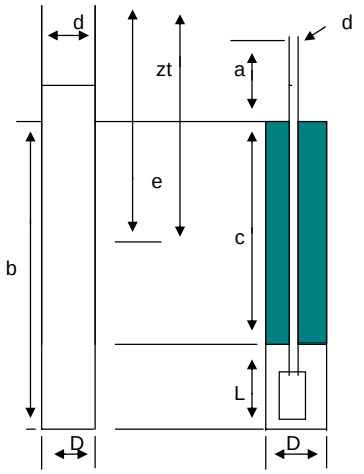
A= 0.010387
F= 4.31
T= 15100 Read from graph
K= 1.59E-07

Intake Factor
from BS5930:1999 Figure 7
L/D= 19.1304348
F/D= 37.5140131

Site: Bishopton
Project: B0060/00
Borehole: WS3098
Date: 19/03/09
Test: 1
Permeability: 1.42E-07 m/s

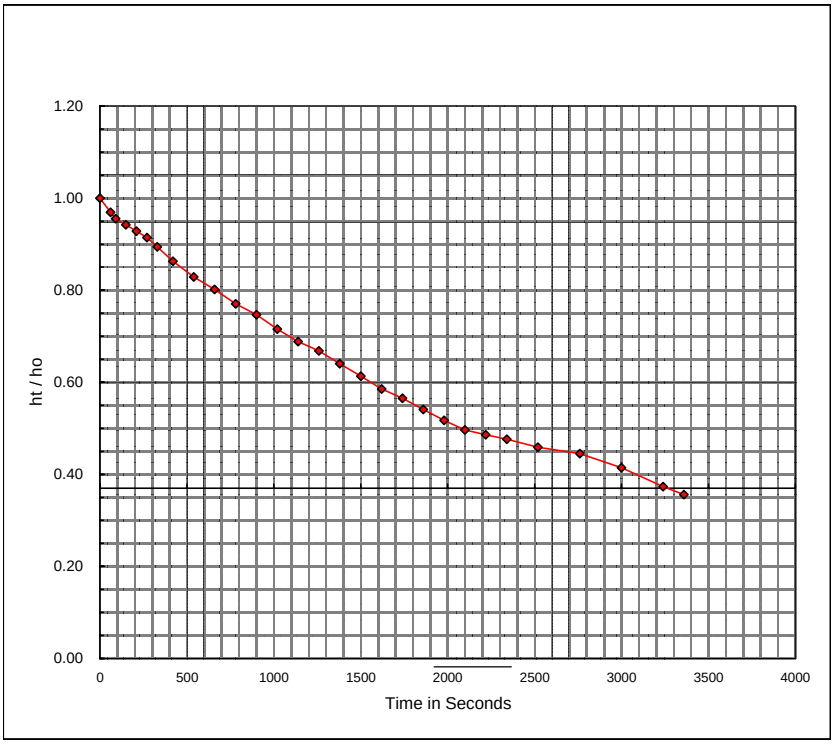
BAE SYSTEMS

Internal Diameter of casing/tubing	(d)	0.05	m
Borehole diameter	(D)	0.05	m
Depth of casing/grout	(c)	1.8	m
Depth of borehole	(b)	4.6	m
Depth to groundwater	(e)	1.46	m
Height of casing/tubing above G.L.	(a)	0.37	m
Initial water level in casing/tubing	(zo)	4.38	m
Length of filter Zone	(L)	2.8	m
Initial head difference, ho = e-zo	=	-2.92	m



At Time 't', head difference, h = e-zt

Time from star (sec)	Depth to water zt (m)	Head Difference ht (m)	ht / ho
0	4.38	-2.920	1.00
60	4.29	-2.830	0.97
90	4.25	-2.790	0.96
150	4.21	-2.750	0.94
210	4.17	-2.710	0.93
270	4.13	-2.670	0.91
330	4.07	-2.610	0.89
420	3.98	-2.520	0.86
540	3.88	-2.420	0.83
660	3.80	-2.340	0.80
780	3.71	-2.250	0.77
900	3.64	-2.180	0.75
1020	3.55	-2.090	0.72
1140	3.47	-2.010	0.69
1260	3.41	-1.950	0.67
1380	3.33	-1.870	0.64
1500	3.25	-1.790	0.61
1620	3.17	-1.710	0.59
1740	3.11	-1.650	0.57
1860	3.04	-1.580	0.54
1980	2.97	-1.510	0.52
2100	2.91	-1.450	0.50
2220	2.88	-1.420	0.49
2340	2.85	-1.390	0.48
2520	2.80	-1.340	0.46
2760	2.76	-1.300	0.45
3000	2.67	-1.210	0.41
3240	2.55	-1.090	0.37
3360	2.50	-1.040	0.36



Permeability
BS5930:1999 Method 1 (after Hvorslev)

k = A/FT where:

k= Permeability
A= Cross-sectional area of casing or standpipe (m2)
F= Intake factor
T= Basic time factor - elapsed time at H/Ho of 0.37 (s)

A= 0.001963
F= 4.26
T= 3240 Read from graph
K= 1.42E-07

Intake Factor
from BS5930:1999 Figure 7
L/D= 56
F/D= 85.2039835