Slug Test Water Level Data
Aero Dri Site
Delray Beach, Florida
Slug Tests conducted in June 15, 1988

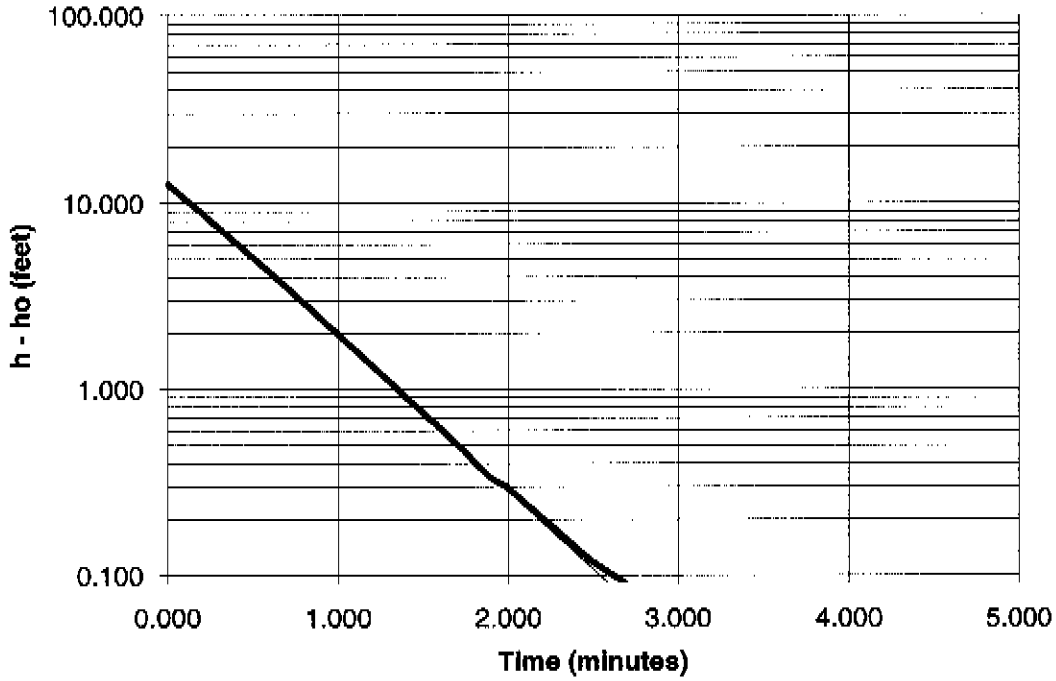
WELL IDENTIFIER	MEASURING POINT (NGVD)	Water Level @ t=o in feet below casing	Water Level (NGVD)
MWC1-A	15.16	14.08	1.08
MWC1-B	14.88	13.73	1.15
MWC1-C	14.60	13.54	1.06
MWC2-A	17.49	15.23	2.26
MWC2-B	17.48	15.03	2.45
MWC2-C	17.23	14.60	2.63
MWC3-A	11.94	10.62	1.32
MWC3-B	12.54	9.38	3.16
MWC4-A	17.99	15.50	2.49
MWC4-B	18.01	15.52	2.49
MWC4-C	18.53	16.02	2.51
MW-3	14.97	12.25	2.72

/home/puzzle/skrupa/thesis/wellconst/datalogger.dat

SLUG TEST FROM RECOVERY DATA

Project Number:	Thesis by Steve Krupa	Date of Test :	June 15, 1988
Client :	Aero Dri, Delray Beach, Florida	Well Number :	MWC-1-A

SLUG TEST



WELL CONSTRUCTION DATA

Rc=	0.05	feet
Rpack=	0.50	feet
Rw=	0.19	feet
Dwater=	24.00	feet
Dwell=	100.00	feet
Daquifer=	100.00	feet
Lscreen=	10.00	feet
L=	10.00	feet
Case=	2	

SLUG TEST RESULTS

Bouwer Rice Method

L/Rw=	100	
A=	4.36	
B=	0.66	
C=	3.95	
H=	85.92	feet
ln[(D-H)/Rw]=	4.95	
Ln (Re/Rw)=	4.94	
Rc=	14.01	feet
Fit line between tmin	1.3	minutes
and tmax	2.3	minutes

Permeability= 5 feet/day

SLUG TEST FROM RECOVERY DATA

Project: Master : Thesis by Steve Krupa — Date of Test : June 15, 1988

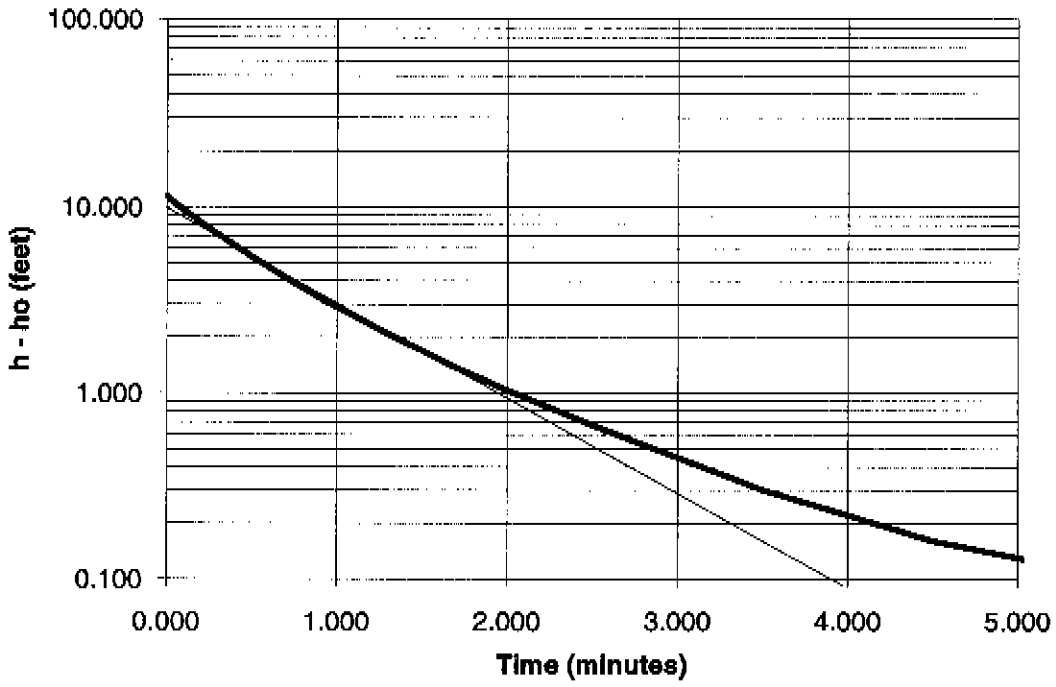
Site: Aero Dri, Delray Beach, Florida — Well Number : MWC-1-A

Incremental Values		H/Ho	Incremental Values		H/Ho	Incremental Values		H/Ho	Incremental Values		H/Ho
Time (min)	Head (feet)	(-)	Time (min)	Head (feet)	(-)	Time (min)	Head (feet)	(-)	Time (min)	Head (feet)	(-)
0.000	12.71	1.00	3.487	0.03	0.00	9.987	0.00	0.00	9.99	0.00	0.00
0.003	12.58	0.99	3.987	0.01	0.00	9.987	0.00	0.00	9.99	0.00	0.00
0.007	12.52	0.99	4.487	0.01	0.00	9.987	0.00	0.00	9.99	0.00	0.00
0.010	12.42	0.98	4.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
0.013	12.34	0.97	5.487	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
0.017	12.26	0.96	5.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
0.020	12.18	0.96	6.487	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
0.037	11.85	0.93	6.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
0.053	11.50	0.90	7.487	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
0.070	11.15	0.88	7.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
0.087	10.78	0.85	8.487	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
0.103	10.51	0.83	8.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
0.120	10.18	0.80	9.487	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
0.137	9.88	0.78	9.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
0.153	9.61	0.76	9.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
0.170	9.29	0.73	9.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
0.187	9.05	0.71	9.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
0.203	8.75	0.69	9.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
0.220	8.48	0.67	9.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
0.237	8.23	0.65	9.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
0.253	7.96	0.63	9.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
0.270	7.73	0.61	9.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
0.287	7.51	0.59	9.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
0.303	7.29	0.57	9.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
0.320	7.07	0.56	9.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
0.403	6.07	0.48	9.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
0.487	5.21	0.41	9.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
0.570	4.46	0.35	9.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
0.653	3.81	0.30	9.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
0.737	3.25	0.26	9.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
0.820	2.78	0.22	9.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
0.903	2.36	0.19	9.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
0.987	2.01	0.16	9.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
1.070	1.71	0.13	9.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
1.153	1.46	0.11	9.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
1.237	1.24	0.10	9.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
1.320	1.05	0.08	9.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
1.403	0.89	0.07	9.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
1.487	0.76	0.06	9.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
1.570	0.65	0.05	9.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
1.653	0.55	0.04	9.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
1.737	0.47	0.04	9.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
1.820	0.39	0.03	9.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
1.903	0.33	0.03	9.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
1.987	0.30	0.02	9.987	0.00	0.00	9.987	0.00	0.00	9.99	0.00	0.00
2.487	0.12	0.01	9.987	0.00	0.00	9.987	0.00	0.00			
2.987	0.06	0.00	9.987	0.00	0.00	9.987	0.00	0.00			

SLUG TEST FROM RECOVERY DATA

Project Number:	Thesis by Steve Krupa	Date of Test :	June 15, 1988
Client :	Aero Dri, Delray Beach, Florida	Well Number :	MWC-1-B

SLUG TEST



WELL CONSTRUCTION DATA

Rc=	0.00	feet
Rpack=	1.36	feet
Rw=	0.10	feet
Dwater=	13.73	feet
Dwell=	80.00	feet
Daquifer=	400.00	feet
Lscreen=	10.00	feet
L=	10.00	feet
Case=	1	

SLUG TEST RESULTS

Bouwer Rice Method

L/Rw=	100	
A=	4.36	
B=	0.66	
C=	3.95	
H=	66.27	feet
ln[(D-H)/Rw]=	5.82	
Ln (Re/Rw)=	3.98	
Re=	5.34	feet
Fit line between tmin	>2	minutes
and tmax	<2.0	minutes

Permeability= 2 feet/day

SLUG TEST FROM RECOVERY DATA

Project: Master : Thesis by Steve Krupa — Date of Test : June 15, 1988

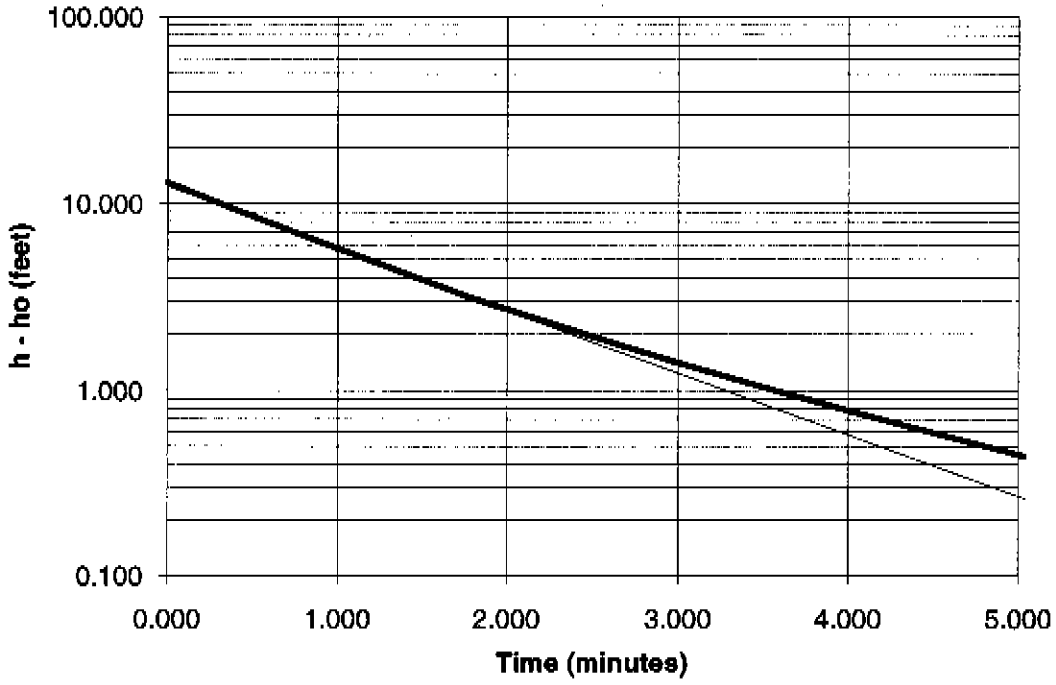
Site: Aero Dri, Delray Beach, Florida — Well Number : MWC-1-B

Incremental Values		H/Ho	Incremental Values		H/Ho	Incremental Values		H/Ho	Incremental Values		H/Ho
Time (min)	Head (feet)	(-)	Time (min)	Head (feet)	(-)	Time (min)	Head (feet)	(-)	Time (min)	Head (feet)	(-)
0.000	11.52	1.00	1.917	1.11	0.10	16.000	0.00	0.00	16.00	0.00	0.00
0.003	11.35	0.99	2.000	1.03	0.09	16.000	0.00	0.00	16.00	0.00	0.00
0.007	11.27	0.98	2.500	0.67	0.06	16.000	0.00	0.00	16.00	0.00	0.00
0.010	11.19	0.97	3.000	0.45	0.04	16.000	0.00	0.00	16.00	0.00	0.00
0.013	11.11	0.96	3.500	0.30	0.03	16.000	0.00	0.00	16.00	0.00	0.00
0.017	11.01	0.96	4.000	0.22	0.02	16.000	0.00	0.00	16.00	0.00	0.00
0.020	10.98	0.95	4.500	0.16	0.01	16.000	0.00	0.00	16.00	0.00	0.00
0.023	10.85	0.94	5.000	0.13	0.01	16.000	0.00	0.00	16.00	0.00	0.00
0.027	10.80	0.94	5.500	0.10	0.01	16.000	0.00	0.00	16.00	0.00	0.00
0.030	10.74	0.93	6.000	0.08	0.01	16.000	0.00	0.00	16.00	0.00	0.00
0.033	10.69	0.93	6.500	0.05	0.00	16.000	0.00	0.00	16.00	0.00	0.00
0.050	10.41	0.90	7.000	0.03	0.00	16.000	0.00	0.00	16.00	0.00	0.00
0.067	10.12	0.88	7.500	0.03	0.00	16.000	0.00	0.00	16.00	0.00	0.00
0.083	9.87	0.86	8.000	0.03	0.00	16.000	0.00	0.00	16.00	0.00	0.00
0.100	9.60	0.83	8.500	0.02	0.00	16.000	0.00	0.00	16.00	0.00	0.00
0.117	9.36	0.81	9.000	0.02	0.00	16.000	0.00	0.00	16.00	0.00	0.00
0.133	9.10	0.79	9.500	0.02	0.00	16.000	0.00	0.00	16.00	0.00	0.00
0.150	8.88	0.77	10.000	0.02	0.00	16.000	0.00	0.00	16.00	0.00	0.00
0.167	8.66	0.75	12.000	0.00	0.00	16.000	0.00	0.00	16.00	0.00	0.00
0.183	8.44	0.73	14.000	0.00	0.00	16.000	0.00	0.00	16.00	0.00	0.00
0.200	8.22	0.71	16.000	0.00	0.00	16.000	0.00	0.00	16.00	0.00	0.00
0.217	8.02	0.70	16.000	0.00	0.00	16.000	0.00	0.00	16.00	0.00	0.00
0.233	7.82	0.68	16.000	0.00	0.00	16.000	0.00	0.00	16.00	0.00	0.00
0.250	7.63	0.66	16.000	0.00	0.00	16.000	0.00	0.00	16.00	0.00	0.00
0.267	7.45	0.65	16.000	0.00	0.00	16.000	0.00	0.00	16.00	0.00	0.00
0.283	7.26	0.63	16.000	0.00	0.00	16.000	0.00	0.00	16.00	0.00	0.00
0.300	7.10	0.62	16.000	0.00	0.00	16.000	0.00	0.00	16.00	0.00	0.00
0.317	6.93	0.60	16.000	0.00	0.00	16.000	0.00	0.00	16.00	0.00	0.00
0.333	6.77	0.59	16.000	0.00	0.00	16.000	0.00	0.00	16.00	0.00	0.00
0.417	6.02	0.52	16.000	0.00	0.00	16.000	0.00	0.00	16.00	0.00	0.00
0.500	5.37	0.47	16.000	0.00	0.00	16.000	0.00	0.00	16.00	0.00	0.00
0.583	4.82	0.42	16.000	0.00	0.00	16.000	0.00	0.00	16.00	0.00	0.00
0.667	4.32	0.38	16.000	0.00	0.00	16.000	0.00	0.00	16.00	0.00	0.00
0.750	3.89	0.34	16.000	0.00	0.00	16.000	0.00	0.00	16.00	0.00	0.00
0.833	3.53	0.31	16.000	0.00	0.00	16.000	0.00	0.00	16.00	0.00	0.00
0.917	3.18	0.28	16.000	0.00	0.00	16.000	0.00	0.00	16.00	0.00	0.00
1.000	2.89	0.25	16.000	0.00	0.00	16.000	0.00	0.00	16.00	0.00	0.00
1.083	2.64	0.23	16.000	0.00	0.00	16.000	0.00	0.00	16.00	0.00	0.00
1.167	2.42	0.21	16.000	0.00	0.00	16.000	0.00	0.00	16.00	0.00	0.00
1.250	2.19	0.19	16.000	0.00	0.00	16.000	0.00	0.00	16.00	0.00	0.00
1.333	2.00	0.17	16.000	0.00	0.00	16.000	0.00	0.00	16.00	0.00	0.00
1.417	1.83	0.16	16.000	0.00	0.00	16.000	0.00	0.00	16.00	0.00	0.00
1.500	1.69	0.15	16.000	0.00	0.00	16.000	0.00	0.00	16.00	0.00	0.00
1.583	1.54	0.13	16.000	0.00	0.00	16.000	0.00	0.00	16.00	0.00	0.00
1.667	1.41	0.12	16.000	0.00	0.00	16.000	0.00	0.00	16.00	0.00	0.00
1.750	1.30	0.11	16.000	0.00	0.00	16.000	0.00	0.00			
1.833	1.21	0.11	16.000	0.00	0.00	16.000	0.00	0.00			

SLUG TEST FROM RECOVERY DATA

Project Number:	Thesis by Steve Krupa	Date of Test :	June 15, 1988
Client :	Aero Dri, Delray Beach, Florida	Well Number :	MWC-1-C

SLUG TEST



WELL CONSTRUCTION DATA

Rc=	0.05	feet
Rpack=	0.50	feet
Rw=	0.10	feet
Dwater=	13.94	feet
Dwell=	60.00	feet
Daquifer=	400.00	feet
Lscreen=	10.00	feet
L=	10.00	feet
Case=	1	

SLUG TEST RESULTS
Bouwer Rice Method

L/Rw=	100	
A=	4.36	
B=	0.66	
C=	3.95	
H=	46.46	feet
ln[(D-H)/Rw]=	6.00	
Ln (Re/Rw)=	3.81	
Re=	4.52	feet
Fit line between tmin	0.5	minutes
and tmax	2.0	minutes

Permeability= 1 feet/day

SLUG TEST FROM RECOVERY DATA

Project: Master : Thesis by Steve Krupa — Date of Test : June 15, 1988

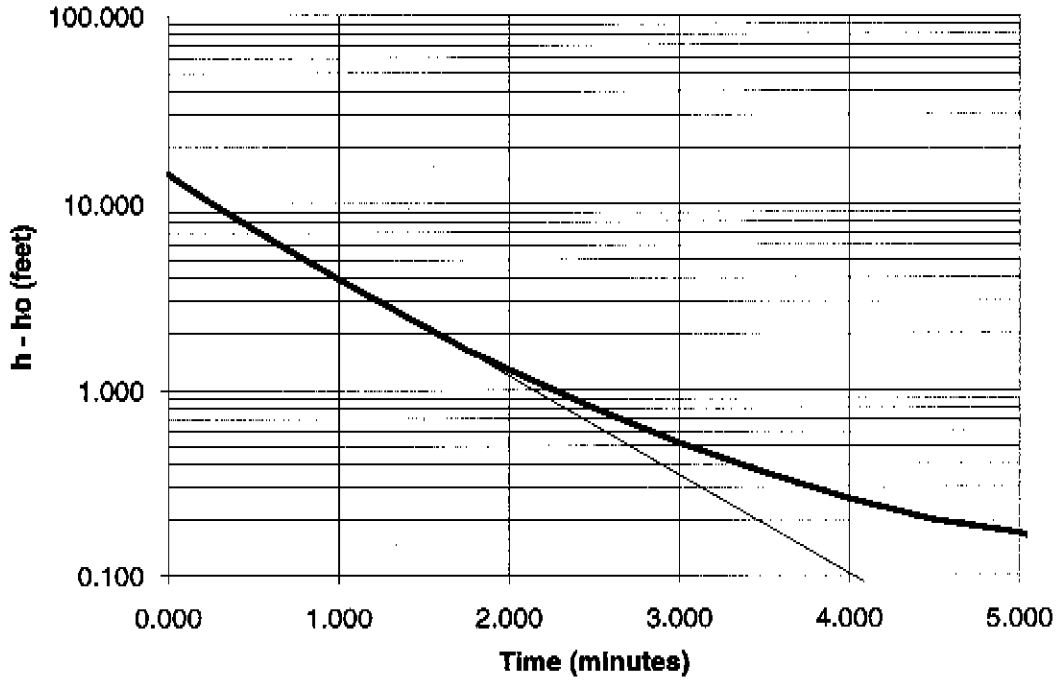
Site: Acro Dri, Delray Beach, Florida — Well Number : MWC-1-C

Incremental Values		H/Ho	Incremental Values		H/Ho	Incremental Values		H/Ho	Incremental Values		H/Ho
Time (min)	Head (feet)	(-)	Time (min)	Head (feet)	(-)	Time (min)	Head (feet)	(-)	Time (min)	Head (feet)	(-)
0.000	13.04	1.00	1.917	2.87	0.22	20.000	0.00	0.00	20.00	0.00	0.00
0.003	12.95	0.99	2.000	2.72	0.21	20.000	0.00	0.00	20.00	0.00	0.00
0.007	12.90	0.99	2.500	1.95	0.15	20.000	0.00	0.00	20.00	0.00	0.00
0.010	12.86	0.99	3.000	1.41	0.11	20.000	0.00	0.00	20.00	0.00	0.00
0.013	12.83	0.98	3.500	1.04	0.08	20.000	0.00	0.00	20.00	0.00	0.00
0.017	12.79	0.98	4.000	0.78	0.06	20.000	0.00	0.00	20.00	0.00	0.00
0.020	12.76	0.98	4.500	0.59	0.05	20.000	0.00	0.00	20.00	0.00	0.00
0.023	12.72	0.98	5.000	0.45	0.03	20.000	0.00	0.00	20.00	0.00	0.00
0.027	12.69	0.97	5.500	0.35	0.03	20.000	0.00	0.00	20.00	0.00	0.00
0.030	12.64	0.97	6.000	0.27	0.02	20.000	0.00	0.00	20.00	0.00	0.00
0.033	12.60	0.97	6.500	0.22	0.02	20.000	0.00	0.00	20.00	0.00	0.00
0.050	12.49	0.96	7.000	0.17	0.01	20.000	0.00	0.00	20.00	0.00	0.00
0.067	12.31	0.94	7.500	0.13	0.01	20.000	0.00	0.00	20.00	0.00	0.00
0.083	12.12	0.93	8.000	0.10	0.01	20.000	0.00	0.00	20.00	0.00	0.00
0.100	11.95	0.92	8.500	0.08	0.01	20.000	0.00	0.00	20.00	0.00	0.00
0.117	11.78	0.90	9.000	0.09	0.01	20.000	0.00	0.00	20.00	0.00	0.00
0.133	11.62	0.89	9.500	0.07	0.01	20.000	0.00	0.00	20.00	0.00	0.00
0.150	11.44	0.88	10.000	0.05	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.167	11.29	0.87	12.000	0.01	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.183	11.12	0.85	14.000	0.01	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.200	10.96	0.84	16.000	0.01	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.217	10.81	0.83	18.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.233	10.66	0.82	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.250	10.51	0.81	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.267	10.36	0.79	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.283	10.22	0.78	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.300	10.08	0.77	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.317	9.93	0.76	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.333	9.80	0.75	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.417	9.13	0.70	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.500	8.53	0.65	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.583	7.97	0.61	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.667	7.46	0.57	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.750	6.98	0.54	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.833	6.53	0.50	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.917	6.12	0.47	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
1.000	5.73	0.44	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
1.083	5.37	0.41	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
1.167	5.04	0.39	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
1.250	4.73	0.36	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
1.333	4.44	0.34	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
1.417	4.16	0.32	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
1.500	3.91	0.30	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
1.583	3.67	0.28	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
1.667	3.44	0.26	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
1.750	3.23	0.25	20.000	0.00	0.00	20.000	0.00	0.00			
1.833	3.05	0.23	20.000	0.00	0.00	20.000	0.00	0.00			

SLUG TEST FROM RECOVERY DATA

Project Number:	Thesis by Steve Krupa	Date of Test :	June 15, 1988
Client :	Aero Dri, Delray Beach, Florida	Well Number :	MWC-2-A

SLUG TEST



WELL CONSTRUCTION DATA

Rc=	0.08	feet
Rpack=	0.38	feet
Rw=	0.10	feet
Dwater=	15.23	feet
Dwell=	100.00	feet
Daquifer=	100.00	feet
Lscreen=	10.90	feet
L=	10.00	feet
Case=	2	

SLUG TEST RESULTS

Bouwer Rice Method

L/Rw=	100	
A=	4.36	
B=	0.66	
C=	3.95	
H=	84.77	feet
ln[(D-H)/Rw]=	5.03	
Ln (Re/Rw)=	4.93	
Re=	13.90	feet
Fit line between tmin	2.01	minutes
and tmax	2.0	minutes

Permeability= 3 feet/day

SLUG TEST FROM RECOVERY DATA

Project: Master : Thesis by Steve Krupa — Date of Test : June 15, 1988

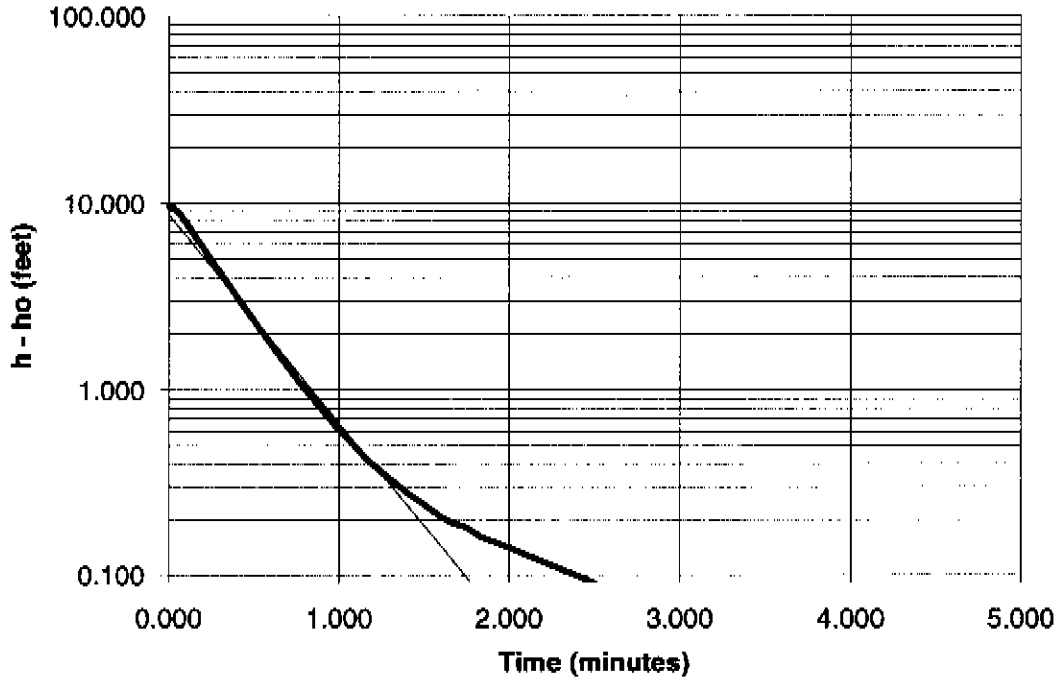
Site: Aero Dri, Delray Beach, Florida — Well Number : MWC-2-A

Incremental Values		H/Ho	Incremental Values		H/Ho	Incremental Values		H/Ho	Incremental Values		H/Ho
Time (min)	Head (feet)	(-)	Time (min)	Head (feet)	(-)	Time (min)	Head (feet)	(-)	Time (min)	Head (feet)	(-)
0.000	14.45	1.00	1.997	1.29	0.09	27.997	0.00	0.00	28.00	0.00	0.00
0.003	14.35	0.99	2.497	0.80	0.06	27.997	0.00	0.00	28.00	0.00	0.00
0.007	14.27	0.99	2.997	0.52	0.04	27.997	0.00	0.00	28.00	0.00	0.00
0.010	14.20	0.98	3.497	0.36	0.02	27.997	0.00	0.00	28.00	0.00	0.00
0.013	14.13	0.98	3.997	0.26	0.02	27.997	0.00	0.00	28.00	0.00	0.00
0.017	14.05	0.97	4.497	0.20	0.01	27.997	0.00	0.00	28.00	0.00	0.00
0.020	13.99	0.97	4.997	0.17	0.01	27.997	0.00	0.00	28.00	0.00	0.00
0.023	13.91	0.96	5.497	0.12	0.01	27.997	0.00	0.00	28.00	0.00	0.00
0.027	13.86	0.96	5.997	0.09	0.01	27.997	0.00	0.00	28.00	0.00	0.00
0.030	13.77	0.95	6.497	0.07	0.00	27.997	0.00	0.00	28.00	0.00	0.00
0.047	13.45	0.93	6.997	0.07	0.00	27.997	0.00	0.00	28.00	0.00	0.00
0.063	13.13	0.91	7.497	0.06	0.00	27.997	0.00	0.00	28.00	0.00	0.00
0.080	12.81	0.89	7.997	0.05	0.00	27.997	0.00	0.00	28.00	0.00	0.00
0.097	12.53	0.87	8.497	0.05	0.00	27.997	0.00	0.00	28.00	0.00	0.00
0.113	12.23	0.85	8.997	0.03	0.00	27.997	0.00	0.00	28.00	0.00	0.00
0.130	11.94	0.83	9.497	0.02	0.00	27.997	0.00	0.00	28.00	0.00	0.00
0.147	11.67	0.81	9.997	0.02	0.00	27.997	0.00	0.00	28.00	0.00	0.00
0.163	11.40	0.79	11.997	0.02	0.00	27.997	0.00	0.00	28.00	0.00	0.00
0.180	11.13	0.77	13.997	0.02	0.00	27.997	0.00	0.00	28.00	0.00	0.00
0.197	10.87	0.75	15.997	0.02	0.00	27.997	0.00	0.00	28.00	0.00	0.00
0.213	10.64	0.74	17.997	0.02	0.00	27.997	0.00	0.00	28.00	0.00	0.00
0.230	10.38	0.72	19.997	0.02	0.00	27.997	0.00	0.00	28.00	0.00	0.00
0.247	10.18	0.70	21.997	0.05	0.00	27.997	0.00	0.00	28.00	0.00	0.00
0.263	9.94	0.69	23.997	0.03	0.00	27.997	0.00	0.00	28.00	0.00	0.00
0.280	9.73	0.67	25.997	0.00	0.00	27.997	0.00	0.00	28.00	0.00	0.00
0.297	9.51	0.66	27.997	0.00	0.00	27.997	0.00	0.00	28.00	0.00	0.00
0.313	9.30	0.64	27.997	0.00	0.00	27.997	0.00	0.00	28.00	0.00	0.00
0.330	9.10	0.63	27.997	0.00	0.00	27.997	0.00	0.00	28.00	0.00	0.00
0.413	8.16	0.56	27.997	0.00	0.00	27.997	0.00	0.00	28.00	0.00	0.00
0.497	7.33	0.51	27.997	0.00	0.00	27.997	0.00	0.00	28.00	0.00	0.00
0.580	6.60	0.46	27.997	0.00	0.00	27.997	0.00	0.00	28.00	0.00	0.00
0.663	5.93	0.41	27.997	0.00	0.00	27.997	0.00	0.00	28.00	0.00	0.00
0.747	5.36	0.37	27.997	0.00	0.00	27.997	0.00	0.00	28.00	0.00	0.00
0.830	4.84	0.33	27.997	0.00	0.00	27.997	0.00	0.00	28.00	0.00	0.00
0.913	4.38	0.30	27.997	0.00	0.00	27.997	0.00	0.00	28.00	0.00	0.00
0.997	3.96	0.27	27.997	0.00	0.00	27.997	0.00	0.00	28.00	0.00	0.00
1.080	3.58	0.25	27.997	0.00	0.00	27.997	0.00	0.00	28.00	0.00	0.00
1.163	3.23	0.22	27.997	0.00	0.00	27.997	0.00	0.00	28.00	0.00	0.00
1.247	2.95	0.20	27.997	0.00	0.00	27.997	0.00	0.00	28.00	0.00	0.00
1.330	2.66	0.18	27.997	0.00	0.00	27.997	0.00	0.00	28.00	0.00	0.00
1.413	2.41	0.17	27.997	0.00	0.00	27.997	0.00	0.00	28.00	0.00	0.00
1.497	2.20	0.15	27.997	0.00	0.00	27.997	0.00	0.00	28.00	0.00	0.00
1.580	1.99	0.14	27.997	0.00	0.00	27.997	0.00	0.00	28.00	0.00	0.00
1.663	1.82	0.13	27.997	0.00	0.00	27.997	0.00	0.00	28.00	0.00	0.00
1.747	1.64	0.11	27.997	0.00	0.00	27.997	0.00	0.00	28.00	0.00	0.00
1.830	1.52	0.11	27.997	0.00	0.00	27.997	0.00	0.00			
1.913	1.41	0.10	27.997	0.00	0.00	27.997	0.00	0.00			

SLUG TEST FROM RECOVERY DATA

Project Number:	Thesis by Steve Krupa	Date of Test :	June 15, 1988
Client :	Aero Dri, Delray Beach, Florida	Well Number :	MWC-2-B

SLUG TEST



WELL CONSTRUCTION DATA

Rc=	[illegible]	feet
Rpack=	[illegible]	feet
Rw=	[illegible]	feet
Dwater=	[illegible]	feet
Dwell=	[illegible]	feet
Daquifer=	[illegible]	feet
Lscreen=	[illegible]	feet
L=	[illegible]	feet
Case=	2	

SLUG TEST RESULTS
Bouwer Rice Method

L/Rw=	100	
A=	4.36	
B=	0.66	
C=	3.95	
H=	84.97	feet
ln[(D-H)/Rw]=	5.01	
Ln (Re/Rw)=	4.94	
Re=	13.92	feet
Fit line between tmin	[illegible]	minutes
and tmax	[illegible]	minutes

Permeability= 6 feet/day

SLUG TEST FROM RECOVERY DATA

Project: Master : Thesis by Steve Krupa — Date of Test : June 15, 1988

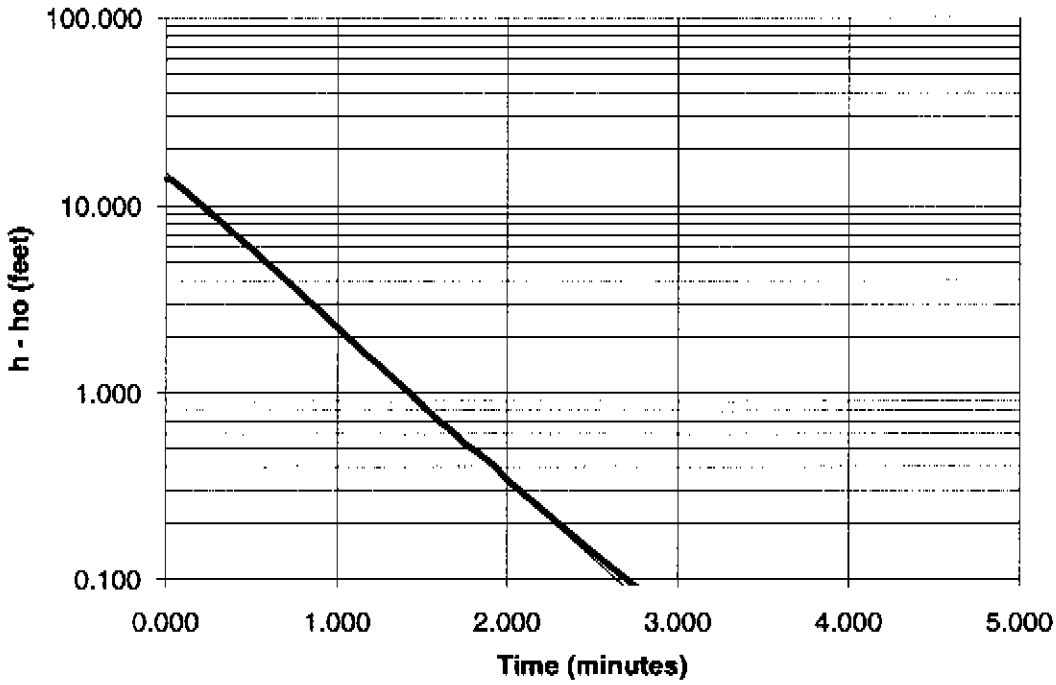
Site: Aero Dri, Delray Beach, Florida — Well Number : MWC-2-B

Incremental Values		H/Ho	Incremental Values		H/Ho	Incremental Values		H/Ho	Incremental Values		H/Ho
Time (min)	Head (feet)	(-)	Time (min)	Head (feet)	(-)	Time (min)	Head (feet)	(-)	Time (min)	Head (feet)	(-)
0.000	9.46	0.98	1.917	0.15	0.02	30.000	0.02	0.00	30.00	0.02	0.00
0.003	9.55	0.99	2.000	0.14	0.01	30.000	0.02	0.00	30.00	0.02	0.00
0.007	9.66	1.00	2.500	0.09	0.01	30.000	0.02	0.00	30.00	0.02	0.00
0.010	9.26	0.96	3.000	0.06	0.01	30.000	0.02	0.00	30.00	0.02	0.00
0.013	9.40	0.97	3.500	0.04	0.00	30.000	0.02	0.00	30.00	0.02	0.00
0.017	9.60	0.99	4.000	0.02	0.00	30.000	0.02	0.00	30.00	0.02	0.00
0.020	9.41	0.97	4.500	0.02	0.00	30.000	0.02	0.00	30.00	0.02	0.00
0.023	9.43	0.98	5.000	0.01	0.00	30.000	0.02	0.00	30.00	0.02	0.00
0.027	9.46	0.98	5.500	0.01	0.00	30.000	0.02	0.00	30.00	0.02	0.00
0.030	9.30	0.96	6.000	0.00	0.00	30.000	0.02	0.00	30.00	0.02	0.00
0.033	9.24	0.96	6.500	0.00	0.00	30.000	0.02	0.00	30.00	0.02	0.00
0.050	9.10	0.94	7.000	0.02	0.00	30.000	0.02	0.00	30.00	0.02	0.00
0.067	8.71	0.90	7.500	0.02	0.00	30.000	0.02	0.00	30.00	0.02	0.00
0.083	8.35	0.86	8.000	0.00	0.00	30.000	0.02	0.00	30.00	0.02	0.00
0.100	7.91	0.82	8.500	0.00	0.00	30.000	0.02	0.00	30.00	0.02	0.00
0.117	7.50	0.78	9.000	0.01	0.00	30.000	0.02	0.00	30.00	0.02	0.00
0.133	7.12	0.74	9.500	0.02	0.00	30.000	0.02	0.00	30.00	0.02	0.00
0.150	6.75	0.70	10.000	0.02	0.00	30.000	0.02	0.00	30.00	0.02	0.00
0.167	6.41	0.66	12.000	0.02	0.00	30.000	0.02	0.00	30.00	0.02	0.00
0.183	6.09	0.63	14.000	0.02	0.00	30.000	0.02	0.00	30.00	0.02	0.00
0.200	5.78	0.60	16.000	0.03	0.00	30.000	0.02	0.00	30.00	0.02	0.00
0.217	5.48	0.57	18.000	0.04	0.00	30.000	0.02	0.00	30.00	0.02	0.00
0.233	5.21	0.54	20.000	0.03	0.00	30.000	0.02	0.00	30.00	0.02	0.00
0.250	4.95	0.51	22.000	0.04	0.00	30.000	0.02	0.00	30.00	0.02	0.00
0.267	4.70	0.49	24.000	0.07	0.01	30.000	0.02	0.00	30.00	0.02	0.00
0.283	4.47	0.46	26.000	0.03	0.00	30.000	0.02	0.00	30.00	0.02	0.00
0.300	4.25	0.44	28.000	0.01	0.00	30.000	0.02	0.00	30.00	0.02	0.00
0.317	4.04	0.42	30.000	0.02	0.00	30.000	0.02	0.00	30.00	0.02	0.00
0.333	3.84	0.40	30.000	0.02	0.00	30.000	0.02	0.00	30.00	0.02	0.00
0.417	2.98	0.31	30.000	0.02	0.00	30.000	0.02	0.00	30.00	0.02	0.00
0.500	2.33	0.24	30.000	0.02	0.00	30.000	0.02	0.00	30.00	0.02	0.00
0.583	1.83	0.19	30.000	0.02	0.00	30.000	0.02	0.00	30.00	0.02	0.00
0.667	1.44	0.15	30.000	0.02	0.00	30.000	0.02	0.00	30.00	0.02	0.00
0.750	1.15	0.12	30.000	0.02	0.00	30.000	0.02	0.00	30.00	0.02	0.00
0.833	0.93	0.10	30.000	0.02	0.00	30.000	0.02	0.00	30.00	0.02	0.00
0.917	0.75	0.08	30.000	0.02	0.00	30.000	0.02	0.00	30.00	0.02	0.00
1.000	0.61	0.06	30.000	0.02	0.00	30.000	0.02	0.00	30.00	0.02	0.00
1.083	0.51	0.05	30.000	0.02	0.00	30.000	0.02	0.00	30.00	0.02	0.00
1.167	0.42	0.04	30.000	0.02	0.00	30.000	0.02	0.00	30.00	0.02	0.00
1.250	0.36	0.04	30.000	0.02	0.00	30.000	0.02	0.00	30.00	0.02	0.00
1.333	0.31	0.03	30.000	0.02	0.00	30.000	0.02	0.00	30.00	0.02	0.00
1.417	0.27	0.03	30.000	0.02	0.00	30.000	0.02	0.00	30.00	0.02	0.00
1.500	0.24	0.02	30.000	0.02	0.00	30.000	0.02	0.00	30.00	0.02	0.00
1.583	0.21	0.02	30.000	0.02	0.00	30.000	0.02	0.00	30.00	0.02	0.00
1.667	0.19	0.02	30.000	0.02	0.00	30.000	0.02	0.00	30.00	0.02	0.00
1.750	0.18	0.02	30.000	0.02	0.00	30.000	0.02	0.00			
1.833	0.16	0.02	30.000	0.02	0.00	30.000	0.02	0.00			

SLUG TEST FROM RECOVERY DATA

Project Number:	Thesis by Steve Krupa	Date of Test :	June 15, 1988
Client :	Aero Dri, Delray Beach, Florida	Well Number :	MWC-2-C

SLUG TEST



WELL CONSTRUCTION DATA

Rc=	[illegible]	feet
Rpack=	[illegible]	feet
Rw=	[illegible]	feet
Dwater=	[illegible]	feet
Dwell=	[illegible]	feet
Daquifer=	[illegible]	feet
Lscreen=	[illegible]	feet
L=	[illegible]	feet
Case=	1	

SLUG TEST RESULTS

Bouwer Rice Method

L/Rw=	100	
A=	4.36	
B=	0.66	
C=	3.95	
H=	45.40	feet
ln[(D-H)/Rw]=	6.00	
Ln (Re/Rw)=	3.80	
Re=	4.48	feet
Fit line between tmin	[illegible]	minutes
and tmax	[illegible]	minutes

Permeability= 4 feet/day

SLUG TEST FROM RECOVERY DATA

Project: Master : Thesis by Steve Krupa — Date of Test : June 15, 1988

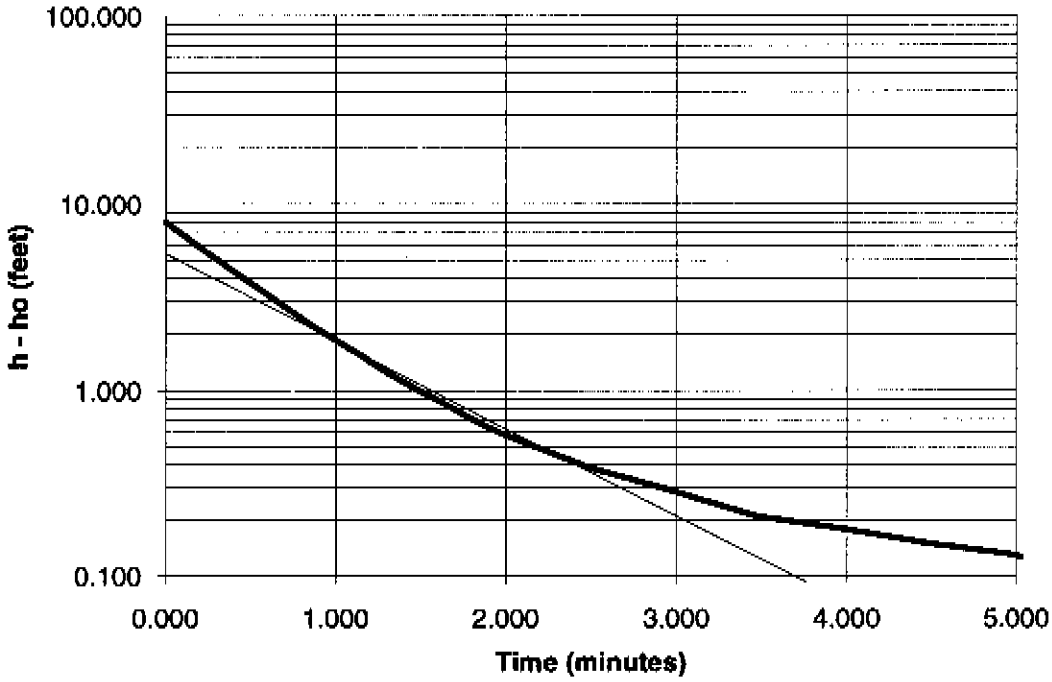
Site: Aero Dri, Delray Beach, Florida — Well Number : MWC-2-C

Incremental Values		H/Ho	Incremental Values		H/Ho	Incremental Values		H/Ho	Incremental Values		H/Ho
Time (min)	Head (feet)	(-)	Time (min)	Head (feet)	(-)	Time (min)	Head (feet)	(-)	Time (min)	Head (feet)	(-)
0.000	13.75	1.00	1.917	0.41	0.03	24.000	0.03	0.00	24.00	0.03	0.00
0.003	13.78	1.00	2.000	0.34	0.02	24.000	0.03	0.00	24.00	0.03	0.00
0.007	13.77	1.00	2.500	0.14	0.01	24.000	0.03	0.00	24.00	0.03	0.00
0.010	13.77	1.00	3.000	0.06	0.00	24.000	0.03	0.00	24.00	0.03	0.00
0.013	13.75	1.00	3.500	0.04	0.00	24.000	0.03	0.00	24.00	0.03	0.00
0.017	13.80	1.00	4.000	0.02	0.00	24.000	0.03	0.00	24.00	0.03	0.00
0.020	13.77	1.00	4.500	0.02	0.00	24.000	0.03	0.00	24.00	0.03	0.00
0.023	13.77	1.00	5.000	0.00	0.00	24.000	0.03	0.00	24.00	0.03	0.00
0.027	13.75	1.00	5.500	0.00	0.00	24.000	0.03	0.00	24.00	0.03	0.00
0.030	13.74	1.00	6.000	0.02	0.00	24.000	0.03	0.00	24.00	0.03	0.00
0.033	13.75	1.00	6.500	0.02	0.00	24.000	0.03	0.00	24.00	0.03	0.00
0.050	13.36	0.97	7.000	0.02	0.00	24.000	0.03	0.00	24.00	0.03	0.00
0.067	12.97	0.94	7.500	0.02	0.00	24.000	0.03	0.00	24.00	0.03	0.00
0.083	12.59	0.91	8.000	0.03	0.00	24.000	0.03	0.00	24.00	0.03	0.00
0.100	12.23	0.89	8.500	0.03	0.00	24.000	0.03	0.00	24.00	0.03	0.00
0.117	11.88	0.86	9.000	0.06	0.00	24.000	0.03	0.00	24.00	0.03	0.00
0.133	11.51	0.83	9.500	0.06	0.00	24.000	0.03	0.00	24.00	0.03	0.00
0.150	11.18	0.81	10.000	0.03	0.00	24.000	0.03	0.00	24.00	0.03	0.00
0.167	10.84	0.79	12.000	0.03	0.00	24.000	0.03	0.00	24.00	0.03	0.00
0.183	10.53	0.76	14.000	0.03	0.00	24.000	0.03	0.00	24.00	0.03	0.00
0.200	10.21	0.74	16.000	0.04	0.00	24.000	0.03	0.00	24.00	0.03	0.00
0.217	9.89	0.72	18.000	0.03	0.00	24.000	0.03	0.00	24.00	0.03	0.00
0.233	9.61	0.70	20.000	0.03	0.00	24.000	0.03	0.00	24.00	0.03	0.00
0.250	9.30	0.67	22.000	0.03	0.00	24.000	0.03	0.00	24.00	0.03	0.00
0.267	9.03	0.65	24.000	0.03	0.00	24.000	0.03	0.00	24.00	0.03	0.00
0.283	8.75	0.63	24.000	0.03	0.00	24.000	0.03	0.00	24.00	0.03	0.00
0.300	8.49	0.62	24.000	0.03	0.00	24.000	0.03	0.00	24.00	0.03	0.00
0.317	8.22	0.60	24.000	0.03	0.00	24.000	0.03	0.00	24.00	0.03	0.00
0.333	7.98	0.58	24.000	0.03	0.00	24.000	0.03	0.00	24.00	0.03	0.00
0.417	6.83	0.49	24.000	0.03	0.00	24.000	0.03	0.00	24.00	0.03	0.00
0.500	5.84	0.42	24.000	0.03	0.00	24.000	0.03	0.00	24.00	0.03	0.00
0.583	4.98	0.36	24.000	0.03	0.00	24.000	0.03	0.00	24.00	0.03	0.00
0.667	4.25	0.31	24.000	0.03	0.00	24.000	0.03	0.00	24.00	0.03	0.00
0.750	3.63	0.26	24.000	0.03	0.00	24.000	0.03	0.00	24.00	0.03	0.00
0.833	3.09	0.22	24.000	0.03	0.00	24.000	0.03	0.00	24.00	0.03	0.00
0.917	2.63	0.19	24.000	0.03	0.00	24.000	0.03	0.00	24.00	0.03	0.00
1.000	2.23	0.16	24.000	0.03	0.00	24.000	0.03	0.00	24.00	0.03	0.00
1.083	1.90	0.14	24.000	0.03	0.00	24.000	0.03	0.00	24.00	0.03	0.00
1.167	1.61	0.12	24.000	0.03	0.00	24.000	0.03	0.00	24.00	0.03	0.00
1.250	1.39	0.10	24.000	0.03	0.00	24.000	0.03	0.00	24.00	0.03	0.00
1.333	1.18	0.09	24.000	0.03	0.00	24.000	0.03	0.00	24.00	0.03	0.00
1.417	1.01	0.07	24.000	0.03	0.00	24.000	0.03	0.00	24.00	0.03	0.00
1.500	0.85	0.06	24.000	0.03	0.00	24.000	0.03	0.00	24.00	0.03	0.00
1.583	0.72	0.05	24.000	0.03	0.00	24.000	0.03	0.00	24.00	0.03	0.00
1.667	0.63	0.05	24.000	0.03	0.00	24.000	0.03	0.00	24.00	0.03	0.00
1.750	0.53	0.04	24.000	0.03	0.00	24.000	0.03	0.00			
1.833	0.47	0.03	24.000	0.03	0.00	24.000	0.03	0.00			

SLUG TEST FROM RECOVERY DATA

Project Number:	Thesis by Steve Krupa	Date of Test :	June 15, 1988
Client :	Aero Dri, Delray Beach, Florida	Well Number :	MWC-3-A

SLUG TEST



WELL CONSTRUCTION DATA

Rc=	[illegible]	feet
Rpack=	[illegible]	feet
Rw=	[illegible]	feet
Dwater=	[illegible]	feet
Dwell=	[illegible]	feet
Daquifer=	[illegible]	feet
Lscreen=	[illegible]	feet
L=	[illegible]	feet
Case=	2	

SLUG TEST RESULTS

Bouwer Rice Method

L/Rw=	100	
A=	4.36	
B=	0.66	
C=	3.95	
H=	89.38	feet
ln[(D-H)/Rw]=	4.67	
Ln (Re/Rw)=	4.97	
Re=	14.34	feet
Fit line between tmin	[illegible]	minutes
and tmax	[illegible]	minutes

Permeability= 3 feet/day

SLUG TEST FROM RECOVERY DATA

Project: Master : Thesis by Steve Krupa — Date of Test : June 15, 1988

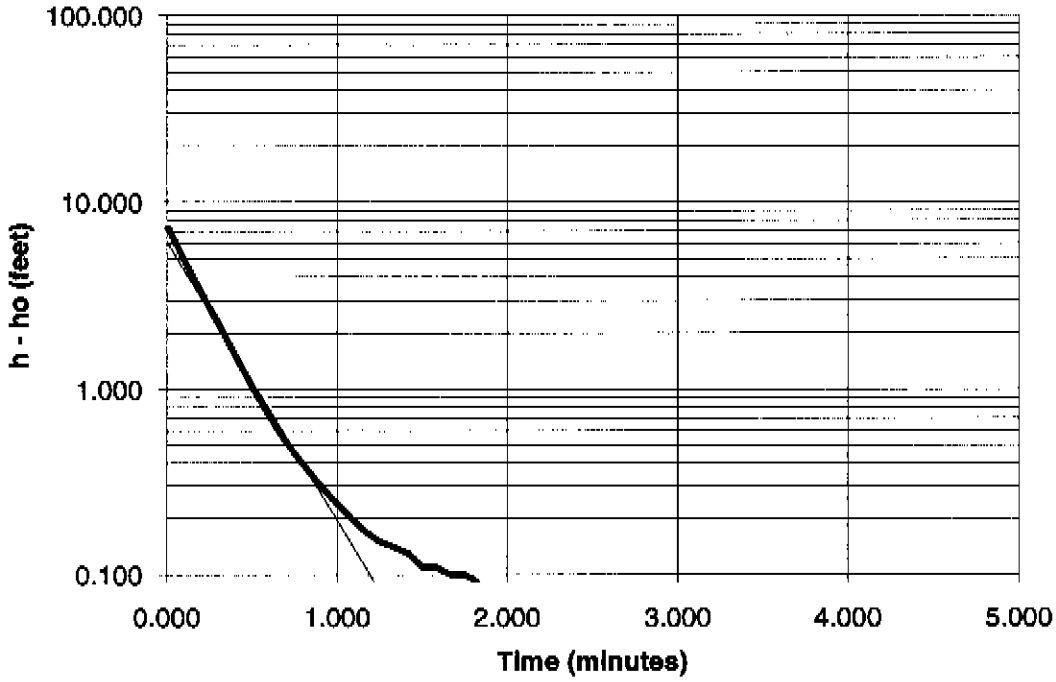
Site: Aero Dri, Delray Beach, Florida — Well Number : MWC-3-A

Incremental Values		H/Ho	Incremental Values		H/Ho	Incremental Values		H/Ho	Incremental Values		H/Ho
Time (min)	Head (feet)	(-)	Time (min)	Head (feet)	(-)	Time (min)	Head (feet)	(-)	Time (min)	Head (feet)	(-)
0.000	8.00	1.00	5.473	0.10	0.01	15.973	0.02	0.00	15.97	0.02	0.00
0.003	7.98	1.00	5.973	0.08	0.01	15.973	0.02	0.00	15.97	0.02	0.00
0.007	7.92	0.99	6.473	0.05	0.01	15.973	0.02	0.00	15.97	0.02	0.00
0.023	7.71	0.96	6.973	0.05	0.01	15.973	0.02	0.00	15.97	0.02	0.00
0.040	7.52	0.94	7.473	0.05	0.01	15.973	0.02	0.00	15.97	0.02	0.00
0.057	7.33	0.92	7.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
0.073	7.14	0.89	8.473	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
0.090	6.95	0.87	8.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
0.107	6.77	0.85	9.473	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
0.123	6.60	0.83	9.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
0.140	6.44	0.81	11.973	0.04	0.01	15.973	0.02	0.00	15.97	0.02	0.00
0.157	6.26	0.78	13.973	0.00	0.00	15.973	0.02	0.00	15.97	0.02	0.00
0.173	6.10	0.76	15.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
0.190	5.96	0.75	15.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
0.207	5.80	0.73	15.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
0.223	5.66	0.71	15.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
0.240	5.52	0.69	15.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
0.257	5.39	0.67	15.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
0.273	5.25	0.66	15.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
0.290	5.12	0.64	15.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
0.307	4.99	0.62	15.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
0.390	4.40	0.55	15.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
0.473	3.90	0.49	15.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
0.557	3.45	0.43	15.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
0.640	3.05	0.38	15.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
0.723	2.70	0.34	15.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
0.807	2.40	0.30	15.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
0.890	2.13	0.27	15.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
0.973	1.91	0.24	15.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
1.057	1.72	0.22	15.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
1.140	1.55	0.19	15.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
1.223	1.39	0.17	15.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
1.307	1.24	0.16	15.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
1.390	1.12	0.14	15.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
1.473	1.02	0.13	15.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
1.557	0.93	0.12	15.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
1.640	0.85	0.11	15.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
1.723	0.77	0.10	15.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
1.807	0.70	0.09	15.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
1.890	0.64	0.08	15.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
1.973	0.59	0.07	15.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
2.473	0.39	0.05	15.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
2.973	0.29	0.04	15.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
3.473	0.21	0.03	15.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
3.973	0.18	0.02	15.973	0.02	0.00	15.973	0.02	0.00	15.97	0.02	0.00
4.473	0.15	0.02	15.973	0.02	0.00	15.973	0.02	0.00			
4.973	0.13	0.02	15.973	0.02	0.00	15.973	0.02	0.00			

SLUG TEST FROM RECOVERY DATA

Project Number:	Thesis by Steve Krupa	Date of Test :	June 15, 1988
Client :	Aero Dri, Delray Beach, Florida	Well Number :	MWC-3-B

SLUG TEST



WELL CONSTRUCTION DATA

Rc=	[illegible]	feet
Rpack=	[illegible]	feet
Rw=	[illegible]	feet
Dwater=	[illegible]	feet
Dwell=	[illegible]	feet
Daquifer=	[illegible]	feet
Lscreen=	[illegible]	feet
L=	[illegible]	feet
Case=	1	

SLUG TEST RESULTS

Bouwer Rice Method

L/Rw=	100	
A=	4.36	
B=	0.66	
C=	3.95	
H=	70.62	feet
ln[(D-H)/Rw]=	5.68	
Ln (Re/Rw)=	4.02	
Re=	5.57	feet
Fit line between tmin	[illegible]	minutes
and tmax	[illegible]	minutes

Permeability= 7 feet/day

SLUG TEST FROM RECOVERY DATA

Project: Master : Thesis by Steve Krupa — Date of Test : June 15, 1988

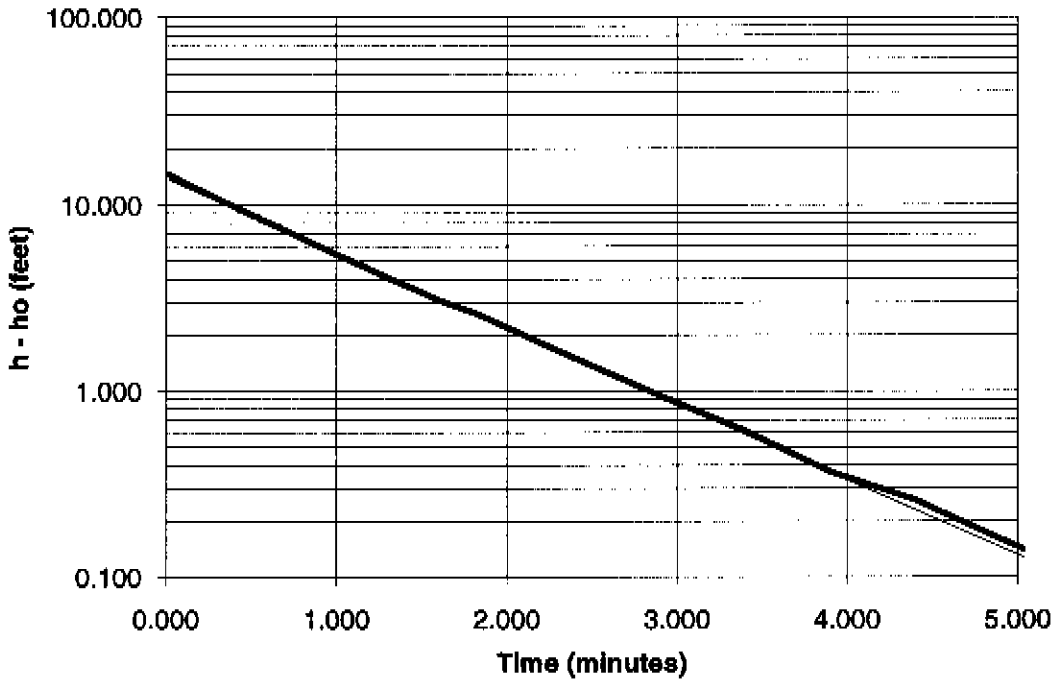
Site: Aero Dri, Delray Beach, Florida — Well Number : MWC-3-B

Incremental Values		H/Ho	Incremental Values		H/Ho	Incremental Values		H/Ho	Incremental Values		H/Ho
Time (min)	Head (feet)	(-)	Time (min)	Head (feet)	(-)	Time (min)	Head (feet)	(-)	Time (min)	Head (feet)	(-)
0.000	7.33	1.00	1.917	0.08	0.01	16.000	0.02	0.00	16.00	0.02	0.00
0.003	7.26	0.99	2.000	0.08	0.01	16.000	0.02	0.00	16.00	0.02	0.00
0.007	7.23	0.99	2.500	0.06	0.01	16.000	0.02	0.00	16.00	0.02	0.00
0.010	7.19	0.98	3.000	0.05	0.01	16.000	0.02	0.00	16.00	0.02	0.00
0.013	7.22	0.98	3.500	0.06	0.01	16.000	0.02	0.00	16.00	0.02	0.00
0.017	7.04	0.96	4.000	0.05	0.01	16.000	0.02	0.00	16.00	0.02	0.00
0.020	6.99	0.95	4.500	0.04	0.01	16.000	0.02	0.00	16.00	0.02	0.00
0.023	6.83	0.93	5.000	0.03	0.00	16.000	0.02	0.00	16.00	0.02	0.00
0.027	6.76	0.92	5.500	0.03	0.00	16.000	0.02	0.00	16.00	0.02	0.00
0.030	6.65	0.91	6.000	0.04	0.01	16.000	0.02	0.00	16.00	0.02	0.00
0.033	6.55	0.89	6.500	0.04	0.01	16.000	0.02	0.00	16.00	0.02	0.00
0.050	6.14	0.84	7.000	0.03	0.00	16.000	0.02	0.00	16.00	0.02	0.00
0.067	5.72	0.78	7.500	0.03	0.00	16.000	0.02	0.00	16.00	0.02	0.00
0.083	5.34	0.73	8.000	0.03	0.00	16.000	0.02	0.00	16.00	0.02	0.00
0.100	4.97	0.68	8.500	0.02	0.00	16.000	0.02	0.00	16.00	0.02	0.00
0.117	4.64	0.63	9.000	0.02	0.00	16.000	0.02	0.00	16.00	0.02	0.00
0.133	4.34	0.59	9.500	0.03	0.00	16.000	0.02	0.00	16.00	0.02	0.00
0.150	4.06	0.55	10.000	0.03	0.00	16.000	0.02	0.00	16.00	0.02	0.00
0.167	3.80	0.52	12.000	0.00	0.00	16.000	0.02	0.00	16.00	0.02	0.00
0.183	3.55	0.48	14.000	0.01	0.00	16.000	0.02	0.00	16.00	0.02	0.00
0.200	3.33	0.45	16.000	0.02	0.00	16.000	0.02	0.00	16.00	0.02	0.00
0.217	3.12	0.43	16.000	0.02	0.00	16.000	0.02	0.00	16.00	0.02	0.00
0.233	2.92	0.40	16.000	0.02	0.00	16.000	0.02	0.00	16.00	0.02	0.00
0.250	2.74	0.37	16.000	0.02	0.00	16.000	0.02	0.00	16.00	0.02	0.00
0.267	2.57	0.35	16.000	0.02	0.00	16.000	0.02	0.00	16.00	0.02	0.00
0.283	2.41	0.33	16.000	0.02	0.00	16.000	0.02	0.00	16.00	0.02	0.00
0.300	2.26	0.31	16.000	0.02	0.00	16.000	0.02	0.00	16.00	0.02	0.00
0.317	2.11	0.29	16.000	0.02	0.00	16.000	0.02	0.00	16.00	0.02	0.00
0.333	1.98	0.27	16.000	0.02	0.00	16.000	0.02	0.00	16.00	0.02	0.00
0.417	1.42	0.19	16.000	0.02	0.00	16.000	0.02	0.00	16.00	0.02	0.00
0.500	1.03	0.14	16.000	0.02	0.00	16.000	0.02	0.00	16.00	0.02	0.00
0.583	0.76	0.10	16.000	0.02	0.00	16.000	0.02	0.00	16.00	0.02	0.00
0.667	0.57	0.08	16.000	0.02	0.00	16.000	0.02	0.00	16.00	0.02	0.00
0.750	0.45	0.06	16.000	0.02	0.00	16.000	0.02	0.00	16.00	0.02	0.00
0.833	0.36	0.05	16.000	0.02	0.00	16.000	0.02	0.00	16.00	0.02	0.00
0.917	0.29	0.04	16.000	0.02	0.00	16.000	0.02	0.00	16.00	0.02	0.00
1.000	0.24	0.03	16.000	0.02	0.00	16.000	0.02	0.00	16.00	0.02	0.00
1.083	0.20	0.03	16.000	0.02	0.00	16.000	0.02	0.00	16.00	0.02	0.00
1.167	0.17	0.02	16.000	0.02	0.00	16.000	0.02	0.00	16.00	0.02	0.00
1.250	0.15	0.02	16.000	0.02	0.00	16.000	0.02	0.00	16.00	0.02	0.00
1.333	0.14	0.02	16.000	0.02	0.00	16.000	0.02	0.00	16.00	0.02	0.00
1.417	0.13	0.02	16.000	0.02	0.00	16.000	0.02	0.00	16.00	0.02	0.00
1.500	0.11	0.02	16.000	0.02	0.00	16.000	0.02	0.00	16.00	0.02	0.00
1.583	0.11	0.02	16.000	0.02	0.00	16.000	0.02	0.00	16.00	0.02	0.00
1.667	0.10	0.01	16.000	0.02	0.00	16.000	0.02	0.00	16.00	0.02	0.00
1.750	0.10	0.01	16.000	0.02	0.00	16.000	0.02	0.00			
1.833	0.09	0.01	16.000	0.02	0.00	16.000	0.02	0.00			

SLUG TEST FROM RECOVERY DATA

Project Number:	Thesis by Steve Krupa	Date of Test :	June 15, 1988
Client :	Acro Dri, Delray Beach, Florida	Well Number :	MWC-4-A

SLUG TEST



WELL CONSTRUCTION DATA

Rc=	[illegible]	feet
Rpack=	[illegible]	feet
Rw=	[illegible]	feet
Dwater=	[illegible]	feet
Dwell=	[illegible]	feet
Daquifer=	[illegible]	feet
Lscreen=	[illegible]	feet
L=	[illegible]	feet
Case=	2	

SLUG TEST RESULTS

Bouwer Rice Method

L/Rw=	100	
A=	4.36	
B=	0.66	
C=	3.95	
H=	84.50	feet
ln[(D-H)/Rw]=	5.04	
Ln (Re/Rw)=	4.93	
Re=	13.87	feet
Fit line between tmin	[illegible]	minutes
and tmax	[illegible]	minutes

Permeability= 2 feet/day

SLUG TEST FROM RECOVERY DATA

Project: Master : Thesis by Steve Krupa — Date of Test : June 15, 1988

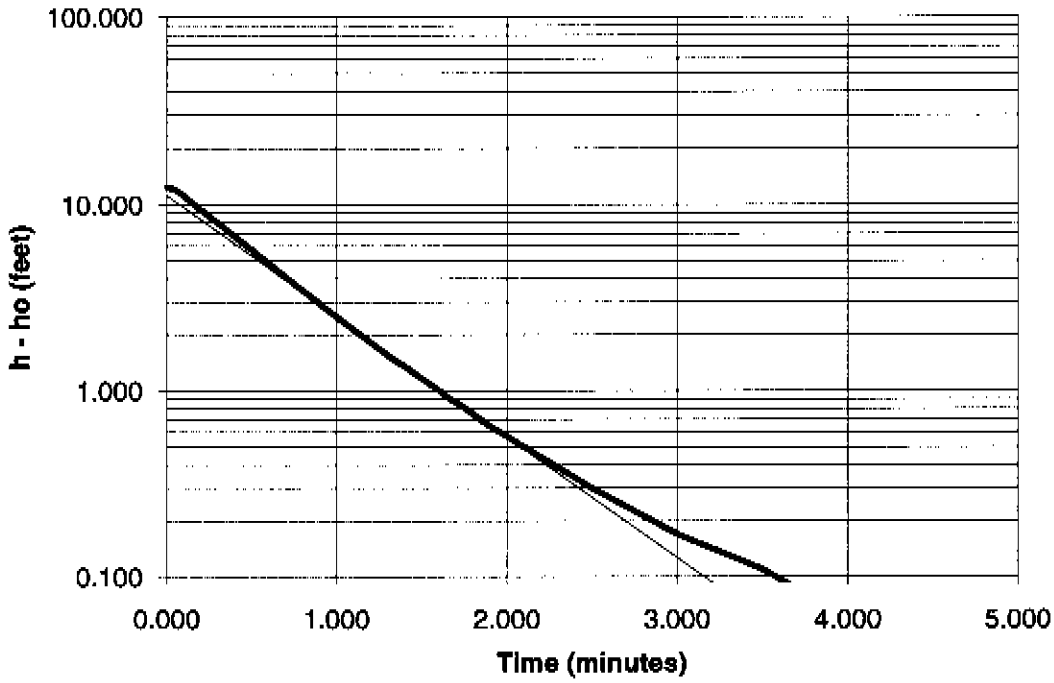
Site: Aero Dri, Delray Beach, Florida — Well Number : MWC-4-A

Incremental Values		H/Ho	Incremental Values		H/Ho	Incremental Values		H/Ho	Incremental Values		H/Ho
Time (min)	Head (feet)	(-)	Time (min)	Head (feet)	(-)	Time (min)	Head (feet)	(-)	Time (min)	Head (feet)	(-)
0.000	14.86	1.00	8.400	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
0.017	14.59	0.98	8.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
0.033	14.32	0.96	9.400	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
0.050	14.06	0.95	9.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
0.067	13.83	0.93	11.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
0.083	13.57	0.91	13.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
0.100	13.33	0.90	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
0.117	13.11	0.88	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
0.133	12.86	0.87	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
0.150	12.63	0.85	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
0.167	12.43	0.84	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
0.183	12.22	0.82	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
0.200	12.03	0.81	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
0.217	11.79	0.79	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
0.233	11.59	0.78	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
0.317	10.65	0.72	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
0.400	9.81	0.66	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
0.483	9.01	0.61	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
0.567	8.31	0.56	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
0.650	7.66	0.52	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
0.733	7.06	0.48	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
0.817	6.50	0.44	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
0.900	5.99	0.40	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
0.983	5.53	0.37	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
1.067	5.10	0.34	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
1.150	4.72	0.32	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
1.233	4.36	0.29	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
1.317	4.02	0.27	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
1.400	3.72	0.25	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
1.483	3.45	0.23	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
1.567	3.18	0.21	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
1.650	2.96	0.20	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
1.733	2.78	0.19	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
1.817	2.61	0.18	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
1.900	2.42	0.16	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
2.400	1.50	0.10	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
2.900	0.94	0.06	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
3.400	0.61	0.04	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
3.900	0.37	0.02	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
4.400	0.26	0.02	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
4.900	0.16	0.01	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
5.400	0.10	0.01	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
5.900	0.07	0.00	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
6.400	0.07	0.00	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
6.900	0.03	0.00	15.900	0.00	0.00	15.900	0.00	0.00	15.90	0.00	0.00
7.400	0.03	0.00	15.900	0.00	0.00	15.900	0.00	0.00			
7.900	0.02	0.00	15.900	0.00	0.00	15.900	0.00	0.00			

SLUG TEST FROM RECOVERY DATA

Project Number:	Thesis by Steve Krupa	Date of Test :	June 15, 1988
Client :	Aero Dri, Delray Beach, Florida	Well Number :	MWC-4-B

SLUG TEST



WELL CONSTRUCTION DATA

Rc=	[illegible]	feet
Rpack=	[illegible]	feet
Rw=	[illegible]	feet
Dwater=	[illegible]	feet
Dwell=	[illegible]	feet
Daquifer=	[illegible]	feet
Lscreen=	[illegible]	feet
L=	[illegible]	feet
Case=	1	

SLUG TEST RESULTS

Bouwer Rice Method

L/Rw=	100	
A=	4.36	
B=	0.66	
C=	3.95	
H=	64.50	feet
ln[(D-H)/Rw]=	5.87	
Ln (Re/Rw)=	3.96	
Re=	5.26	feet
Fit line between tmin	[illegible]	minutes
and tmax	[illegible]	minutes

Permeability= 3 feet/day

SLUG TEST FROM RECOVERY DATA

Project: Master : Thesis by Steve Krupa — Date of Test : June 15, 1988

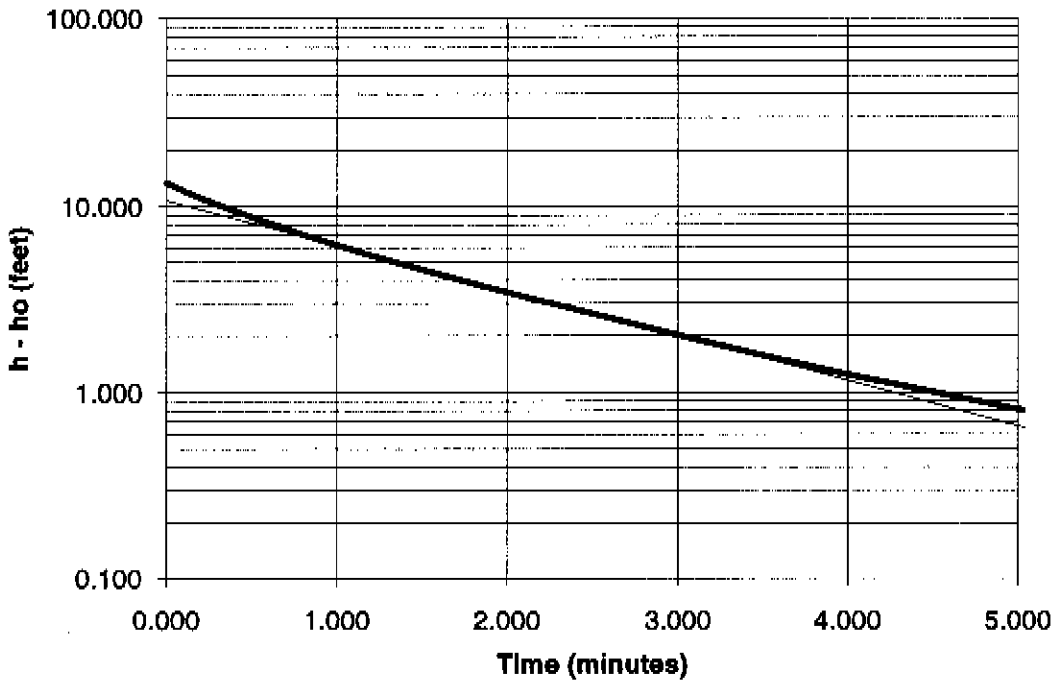
Site: Aero Dri, Delray Beach, Florida — Well Number : MWC-4-B

Incremental Values Time (min)	Head (feet)	H/Ho (-)	Incremental Values Time (min)	Head (feet)	H/Ho (-)	Incremental Values Time (min)	Head (feet)	H/Ho (-)	Incremental Values Time (min)	Head (feet)	H/Ho (-)
0.000	12.44	1.00	1.917	0.63	0.05	20.000	0.00	0.00	20.00	0.00	0.00
0.003	12.34	0.99	2.000	0.57	0.05	20.000	0.00	0.00	20.00	0.00	0.00
0.007	12.34	0.99	2.500	0.30	0.02	20.000	0.00	0.00	20.00	0.00	0.00
0.010	12.33	0.99	3.000	0.17	0.01	20.000	0.00	0.00	20.00	0.00	0.00
0.013	12.28	0.99	3.500	0.11	0.01	20.000	0.00	0.00	20.00	0.00	0.00
0.017	12.33	0.99	4.000	0.06	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.020	12.23	0.98	4.500	0.04	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.023	12.20	0.98	5.000	0.03	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.027	12.14	0.98	5.500	0.01	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.030	12.17	0.98	6.000	0.01	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.033	12.10	0.97	6.500	0.01	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.050	11.98	0.96	7.000	0.01	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.067	11.74	0.94	7.500	0.01	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.083	11.45	0.92	8.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.100	11.15	0.90	8.500	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.117	10.83	0.87	9.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.133	10.53	0.85	9.500	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.150	10.24	0.82	10.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.167	9.96	0.80	12.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.183	9.67	0.78	14.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.200	9.40	0.76	16.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.217	9.15	0.74	18.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.233	8.89	0.71	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.250	8.66	0.70	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.267	8.42	0.68	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.283	8.20	0.66	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.300	7.96	0.64	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.317	7.77	0.62	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.333	7.54	0.61	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.417	6.56	0.53	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.500	5.72	0.46	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.583	4.97	0.40	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.667	4.33	0.35	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.750	3.76	0.30	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.833	3.29	0.26	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
0.917	2.86	0.23	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
1.000	2.49	0.20	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
1.083	2.19	0.18	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
1.167	1.92	0.15	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
1.250	1.68	0.14	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
1.333	1.47	0.12	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
1.417	1.32	0.11	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
1.500	1.16	0.09	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
1.583	1.03	0.08	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
1.667	0.90	0.07	20.000	0.00	0.00	20.000	0.00	0.00	20.00	0.00	0.00
1.750	0.81	0.07	20.000	0.00	0.00	20.000	0.00	0.00			
1.833	0.71	0.06	20.000	0.00	0.00	20.000	0.00	0.00			

SLUG TEST FROM RECOVERY DATA

Project Number:	Thesis by Steve Krupa	Date of Test :	June 15, 1988
Client :	Aero Dri, Delray Beach, Florida	Well Number :	MWC-4-C

SLUG TEST



WELL CONSTRUCTION DATA

Rc=	[redacted]	feet
Rpack=	[redacted]	feet
Rw=	[redacted]	feet
Dwater=	[redacted]	feet
Dwell=	[redacted]	feet
Daquifer=	[redacted]	feet
Lscreen=	[redacted]	feet
L=	[redacted]	feet
Case=	1	

SLUG TEST RESULTS
Bouwer Rice Method

L/Rw=	100	
A=	4.36	
B=	0.66	
C=	3.95	
H=	46.46	feet
ln[(D-H)/Rw]=	6.00	
Ln (Re/Rw)=	3.81	
Re=	4.52	feet
Fit line between tmin	[redacted]	minutes
and tmax	[redacted]	minutes

Permeability= 1 feet/day

SLUG TEST FROM RECOVERY DATA

Project: Master :		Thesis by Steve Krupa				Date of Test :		June 15, 1988			
Site:		Aero Dri, Delray Beach, Florida				Well Number :		MWC-4-C			
Incremental Values		H/Ho	Incremental Values		H/Ho	Incremental Values		H/Ho	Incremental Values		H/Ho
Time	Head		Time	Head		Time	Head		Time	Head	
(min)	(feet)	(-)	(min)	(feet)	(-)	(min)	(feet)	(-)	(min)	(feet)	(-)
0.000	13.51	1.00	3.983	1.25	0.09	37.983	0.00	0.00	37.98	0.00	0.00
0.003	13.43	0.99	4.483	1.01	0.07	37.983	0.00	0.00	37.98	0.00	0.00
0.007	13.41	0.99	4.983	0.82	0.06	37.983	0.00	0.00	37.98	0.00	0.00
0.010	13.36	0.99	5.483	0.69	0.05	37.983	0.00	0.00	37.98	0.00	0.00
0.013	13.28	0.98	5.983	0.58	0.04	37.983	0.00	0.00	37.98	0.00	0.00
0.017	13.24	0.98	6.483	0.48	0.04	37.983	0.00	0.00	37.98	0.00	0.00
0.033	13.04	0.97	6.983	0.42	0.03	37.983	0.00	0.00	37.98	0.00	0.00
0.050	12.81	0.95	7.483	0.37	0.03	37.983	0.00	0.00	37.98	0.00	0.00
0.067	12.60	0.93	7.983	0.32	0.02	37.983	0.00	0.00	37.98	0.00	0.00
0.083	12.39	0.92	8.483	0.28	0.02	37.983	0.00	0.00	37.98	0.00	0.00
0.100	12.19	0.90	8.983	0.24	0.02	37.983	0.00	0.00	37.98	0.00	0.00
0.117	12.00	0.89	9.483	0.22	0.02	37.983	0.00	0.00	37.98	0.00	0.00
0.133	11.82	0.87	9.983	0.20	0.01	37.983	0.00	0.00	37.98	0.00	0.00
0.150	11.64	0.86	11.983	0.14	0.01	37.983	0.00	0.00	37.98	0.00	0.00
0.167	11.47	0.85	13.983	0.11	0.01	37.983	0.00	0.00	37.98	0.00	0.00
0.183	11.30	0.84	15.983	0.08	0.01	37.983	0.00	0.00	37.98	0.00	0.00
0.200	11.14	0.82	17.983	0.06	0.00	37.983	0.00	0.00	37.98	0.00	0.00
0.217	10.98	0.81	19.983	0.06	0.00	37.983	0.00	0.00	37.98	0.00	0.00
0.233	10.83	0.80	21.983	0.04	0.00	37.983	0.00	0.00	37.98	0.00	0.00
0.250	10.68	0.79	23.983	0.04	0.00	37.983	0.00	0.00	37.98	0.00	0.00
0.267	10.53	0.78	25.983	0.03	0.00	37.983	0.00	0.00	37.98	0.00	0.00
0.283	10.39	0.77	27.983	0.02	0.00	37.983	0.00	0.00	37.98	0.00	0.00
0.300	10.25	0.76	29.983	0.02	0.00	37.983	0.00	0.00	37.98	0.00	0.00
0.317	10.11	0.75	31.983	0.01	0.00	37.983	0.00	0.00	37.98	0.00	0.00
0.400	9.46	0.70	33.983	0.00	0.00	37.983	0.00	0.00	37.98	0.00	0.00
0.483	8.88	0.66	35.983	0.01	0.00	37.983	0.00	0.00	37.98	0.00	0.00
0.567	8.34	0.62	37.983	0.00	0.00	37.983	0.00	0.00	37.98	0.00	0.00
0.650	7.85	0.58	37.983	0.00	0.00	37.983	0.00	0.00	37.98	0.00	0.00
0.733	7.40	0.55	37.983	0.00	0.00	37.983	0.00	0.00	37.98	0.00	0.00
0.817	6.99	0.52	37.983	0.00	0.00	37.983	0.00	0.00	37.98	0.00	0.00
0.900	6.61	0.49	37.983	0.00	0.00	37.983	0.00	0.00	37.98	0.00	0.00
0.983	6.26	0.46	37.983	0.00	0.00	37.983	0.00	0.00	37.98	0.00	0.00
1.067	5.93	0.44	37.983	0.00	0.00	37.983	0.00	0.00	37.98	0.00	0.00
1.150	5.63	0.42	37.983	0.00	0.00	37.983	0.00	0.00	37.98	0.00	0.00
1.233	5.35	0.40	37.983	0.00	0.00	37.983	0.00	0.00	37.98	0.00	0.00
1.317	5.09	0.38	37.983	0.00	0.00	37.983	0.00	0.00	37.98	0.00	0.00
1.400	4.84	0.36	37.983	0.00	0.00	37.983	0.00	0.00	37.98	0.00	0.00
1.483	4.61	0.34	37.983	0.00	0.00	37.983	0.00	0.00	37.98	0.00	0.00
1.567	4.39	0.32	37.983	0.00	0.00	37.983	0.00	0.00	37.98	0.00	0.00
1.650	4.18	0.31	37.983	0.00	0.00	37.983	0.00	0.00	37.98	0.00	0.00
1.733	3.99	0.30	37.983	0.00	0.00	37.983	0.00	0.00	37.98	0.00	0.00
1.817	3.80	0.28	37.983	0.00	0.00	37.983	0.00	0.00	37.98	0.00	0.00
1.900	3.63	0.27	37.983	0.00	0.00	37.983	0.00	0.00	37.98	0.00	0.00
1.983	3.46	0.26	37.983	0.00	0.00	37.983	0.00	0.00	37.98	0.00	0.00
2.483	2.64	0.20	37.983	0.00	0.00	37.983	0.00	0.00	37.98	0.00	0.00
2.983	2.03	0.15	37.983	0.00	0.00	37.983	0.00	0.00			
3.483	1.58	0.12	37.983	0.00	0.00	37.983	0.00	0.00			