

Chapter 5

Pumping Test Data

Table D5. 1 Step-Drawdown Tests of JICA Test Wells

Well No.	Commune / town	Coordinates		Elevation (m)	Drilling Depth (m)	Reaming Depth (m)	Screen Length (m)	Static Water Level (m)	Step-drawdown test						Aquifer loss coefficient [B] (hr/m ²)	Well loss coefficient [C] (hr ² /m ⁵)	Average well efficiency (%)
		Latitude North UTM	Longitude East UTM						1st	2nd	3rd	4th	5th	6th			
									Discharge(m ³ /h)								
									Drawdown (m)								
D1	Krong Nang	1432676	212271	714	140	100	40	11.80	1.8 1.01	7.2 5.36	12.6 10.6	18 18.86	14.4 13.9	10.8 9.14	5.13E-01	2.88E-02	64
D2	Ea Drang	1461593	196617	644	180	120	48	24.00	0.5 5.67	0.9 9.29	1.3 14.92	1.6 21.42	1.1 11.05	0.7 7.41	8.57E+00	2.69E+00	78
D3	Krong Buk	1412609	217070	484	140	70	30	9.00	4.3 3.06	8.6 6.92	13 13.03	17.3 19.05	10.8 13.5	7.2 8.45	5.58E-01	3.10E-02	58
D4	Ea Drong	1427255	209295	615	180	116	58	15.89	3.2 10.05	6.1 16.89	9 23.97	11.9 32.87	7.9 22.03	5.4 15.76	3.11E+00	3.82E-02	110
D5	Ea Wer	1418900	813607	255	150	35	22	2.00	3.6 2.25	7.2 7.83	10.8 14.67	13.3 21.09	10.1 12.33	6.5 7.5	3.22E-01	9.64E-02	30
D6	Kien Duc	1325577	772292	691	170	120	40	32.20	-	-	-	-	-	-	-	-	-
D7	Krong Kmar	1384752	210996	436	39	39	28	3.80	7.2 1.07	12.6 2.13	18 3.94	23 5.37	18 4.33	12.6 2.95	1.05E-01	5.70E-03	52
G1	Kong Tang	1554896	202592	736	150	112	40	34.00	3.6 5.65	6.6 10.27	9.6 14.9	13.2 20.49	9.6 16.2	6.6 11.64	1.57E+00	1.70E-03	101
G2	Nhon Hoa	1499742	185766	421	170	110	34	21.00	1.9 5.84	3.6 12.96	5.2 24.77	6.8 39	5.4 26.75	3.9 15.89	1.97E+00	5.37E-01	47
G3	Chu Ty	1528374	791729	417	150	85	22	22.40	4.2 5.79	7.2 11.78	10.8 24.11	13.2 32.06	10.8 26.2	7.2 14.96	8.27E-01	1.23E-01	52
G4	Thang Hung	1630373	813129	633	180	150	50	34.10	2.7 1.45	5.4 2.62	8.1 3.78	10.8 4.93	8.4 4.4	5.7 3.25	5.51E-01	9.60E-03	110
G5	Nghia Hoa	1562211	814529	682	160	135	52	32.50	1.5 5.13	3 11.02	4.2 15	6 22	5.1 19.16	3.6 14.57	3.42E+00	4.44E-02	93
G6	la Sion	1474169	238141	140	180	158	38	24.15	3.6 3.07	8.4 6.97	13.2 11.73	17 15.08	13.2 13.25	8.4 8.96	8.28E-01	3.50E-03	91
G7	Kong Yang	1531378	234391	472	160	110	34	10.80	4.5 4.8	9 9.7	13.8 14.67	18 19.19	14.4 14.63	10.2 9.29	1.07E+00	4.00E-04	104
K1	Bo Y	1623379	782270	683	170	50	24	0.88	0.8 6.63	1.8 14.17	2.7 21.86	3.6 29.18	2.8 19.18	2.0 14.51	7.78E+00	9.35E-02	101
K2A	Dak Su	1610205	783252	670	80	50	32	0.80	1.6 5.21	3.1 10.53	4.7 15.83	6.1 20.72	4.8 15.8	3.3 10.59	3.33E+00	9.60E-03	100
K3	Dak Ui	1613032	177275	685	160	38	28	1.35	3 3.18	6.6 8.2	9.6 12.9	12.6 17.36	9 9.59	6 6.28	9.89E-01	3.35E-02	84
K6	Chu Hreng	1584716	177337	590	98	40	14	12.50	0.12 4.42	0.24 9.34	- -	- -	- -	- -	3.5E+01	1.7E+01	92

Table D5. 2 Result of the Constant Continuous Test and Recovery Test Analyzed by Theis Analysis Method

Well No.	Commune / town	Coordinates		Elevation (m)	Drilling depth (m)	Reaming depth (m)	Screen length (m)	Static water level (m)	Pumping discharge (l/s)	Drawdown (m)	Specific capacity (l/s/m)	Theis method						Storage coefficient	Hydraulic conductivity (m/day)
		Latitude North UTM	Longitude East UTM									Match point				Transmissivity (m ² /day)			
												u	W(u)	r ² /t (m ² /s)	s (m)				
D1	Krong Nang	1432676	212271	714	140	100	40	11.80	4.00	15.89	0.25	1.0E-10	22.0	1.0E-04	13.0	4.7E+01	1.3E-07	1.2E+00	
D2	Ea Drang	1461593	196617	644	180	120	48	24.00	0.45	20.56	0.02	1.0E-06	13.0	1.0E-04	17.5	2.3E+00	6.4E-05	4.8E-02	
D3	Krong Buk	1412609	217070	484	140	70	30	9.00	4.80	21.26	0.23	1.0E-07	15.0	1.0E-05	16.0	2.6E+01	7.2E-04	8.6E-01	
D4	Ea Drong	1427255	209295	615	180	116	58	15.89	3.10	30.20	0.10	1.0E-10	21.0	1.0E-04	23.5	1.9E+01	5.3E-08	3.3E-01	
D5	Ea Wer	1418900	813607	255	150	35	22	2.00	3.70	21.42	0.17	1.0E-10	21.0	1.0E-04	17.0	3.1E+01	8.7E-08	1.4E+00	
D6	Kien Duc	1325577	772292	691	170	120	40	32.20	0.25	22.23	0.01	-	-	-	-	-	-	-	
D7	Krong Kmar	1384752	210996	436	39	39	28	3.80	6.40	6.50	0.98	1.0E-06	11.5	1.0E-04	4.0	1.3E+02	3.5E-03	4.5E+00	
G1	Kong Tang	1554896	202592	736	150	112	40	34.00	3.73	21.73	0.17	1.0E-10	22.0	1.0E-04	19.0	3.0E+01	8.2E-08	7.4E-01	
G2	Nhon Hoa	1499742	185766	421	170	110	34	21.00	2.00	40.34	0.05	1.0E-10	20.0	1.0E-04	37.0	7.4E+00	2.1E-08	2.2E-01	
G3	Chu Ty	1528374	791729	417	150	85	22	22.40	3.67	32.22	0.11	4.0E-05	12.0	4.0E-03	13.5	2.2E+01	6.2E-04	1.0E+00	
G4	Thang Hung	1630373	813129	633	180	150	50	34.10	3.00	9.66	0.31	1.0E-05	11.0	1.0E-03	3.5	6.5E+01	1.8E-03	1.3E+00	
G5	Nghia Hoa	1562211	814529	682	160	135	52	32.50	2.00	26.13	0.08	1.0E-06	13.0	1.0E-04	20.0	8.9E+00	2.5E-04	1.7E-01	
G6	Ia Sion	1474169	238141	140	180	158	38	24.15	4.70	15.83	0.30	1.0E-10	22.0	1.0E-04	12.6	5.6E+01	1.6E-07	1.5E+00	
G7	Kong Yang	1531378	234391	472	160	110	34	10.80	5.00	22.96	0.22	1.0E-07	15.0	1.0E-05	20.0	2.6E+01	7.2E-04	7.6E-01	
K1	Bo Y	1623379	782270	683	170	50	24	0.88	1.00	31.73	0.03	1.0E-02	4.2	1.0E-04	19.0	1.5E+00	4.2E-01	6.3E-02	
K2A	Dak Su	1610205	783252	670	80	50	32	0.80	1.73	21.34	0.08	1.0E-05	12.0	4.0E-05	18.0	7.9E+00	5.5E-03	2.5E-01	
K3	Dak Ui	1613032	177275	685	160	38	28	1.35	3.00	16.90	0.18	1.0E-06	13.0	1.0E-04	13.0	2.1E+01	5.7E-04	7.4E-01	
K6	Chu Hreng	1584716	177337	590	98	40	14	12.50	0.07	22.50	0.003	-	-	-	-	-	-	-	

Table D5.3 Result of the Constant Continuous Test and Recovery Test Analyzed by Cooper-Jacob and Recovery Analysis Methods

Well No.	Commune / town	Coordinates		Elevation (m)	Drilling depth (m)	Reaming depth (m)	Screen length (m)	Static water level (m)	Pumping discharge (l/s)	Drawdown (m)	Specific capacity (l/s/m)	Cooper-Jacob analysis method			Recovery analysis	
		Latitude North UTM	Longitude East UTM									Transmissivity (m ² /day)	Storage coefficient	Hydraulic conductivity (m/day)	Transmissivity (m ² /day)	Hydraulic conductivity (m/day)
D1	Krong Nang	1432676	212271	714	140	100	40	11.80	4.00	15.89	0.25	4.2E+01	2.0E-06	1.1E+00	3.2E+01	7.9E-01
D2	Ea Drang	1461593	196617	644	180	120	48	24.00	0.45	20.56	0.02	2.4E+00	3.3E-04	4.9E-02	4.0E+00	8.2E-02
D3	Krong Buk	1412609	217070	484	140	70	30	9.00	4.80	21.26	0.23	1.4E+01	6.4E-01	4.6E-01	1.3E+01	4.2E-01
D4	Ea Drong	1427255	209295	615	180	116	58	15.89	3.10	30.20	0.10	1.6E+01	7.6E-06	2.8E-01	1.6E+01	2.8E-01
D5	Ea Wer	1418900	813607	255	150	35	22	2.00	3.70	21.42	0.17	2.3E+01	1.1E-05	1.1E+00	2.3E+01	1.1E+00
D6	Kien Duc	1325577	772292	691	170	120	40	32.20	0.25	22.23	0.01	2.9E-01	4.1E-01	7.3E-03	2.8E-01	7.0E-03
D7	Krong Kmar	1384752	210996	436	39	39	28	3.80	6.40	6.50	0.98	6.7E+01	3.1E-01	2.4E+00	8.4E+01	3.0E+00
G1	Kong Tang	1554896	202592	736	150	112	40	34.00	3.73	21.73	0.17	3.0E+01	1.4E-07	7.4E-01	2.1E+01	5.3E-01
G2	Nhon Hoa	1499742	185766	421	170	110	34	21.00	2.00	40.34	0.05	3.5E+00	3.3E-03	1.0E-01	6.3E+00	1.9E-01
G3	Chu Ty	1528374	791729	417	150	85	22	22.40	3.67	32.22	0.11	1.7E+01	7.7E-03	7.5E-01	7.0E+00	3.2E-01
G4	Thang Hung	1630373	813129	633	180	150	50	34.10	3.00	9.66	0.31	4.8E+01	2.2E-02	9.6E-01	6.8E+01	1.4E+00
G5	Nghia Hoa	1562211	814529	682	160	135	52	32.50	2.00	26.13	0.08	9.0E+00	4.2E-04	1.7E-01	1.1E+01	2.0E-01
G6	la Sion	1474169	238141	140	180	158	38	24.15	4.70	15.83	0.30	3.7E+01	1.7E-04	9.8E-01	6.2E+01	1.6E+00
G7	Kong Yang	1531378	234391	472	160	110	34	10.80	5.00	22.96	0.22	2.8E+01	1.3E-03	8.3E-01	5.3E+01	1.6E+00
K1	Bo Y	1623379	782270	683	170	50	24	0.88	1.00	31.73	0.03	1.9E+00	2.7E-01	8.0E-02	1.7E+00	7.2E-02
K2A	Dak Su	1610205	783252	670	80	50	32	0.80	1.73	21.34	0.08	3.9E+00	3.6E-02	1.2E-01	9.1E+00	2.9E-01
K3	Dak Ui	1613032	177275	685	160	38	28	1.35	3.00	16.90	0.18	1.7E+01	2.4E-03	6.1E-01	1.6E+01	5.6E-01
K6	Chu Hreng	1584716	177337	590	98	40	14	12.50	0.07	22.50	0.00	6.0E-02	2.9E-01	4.3E-03	1.3E-01	9.3E-03

K6 : pumping for 5 hours

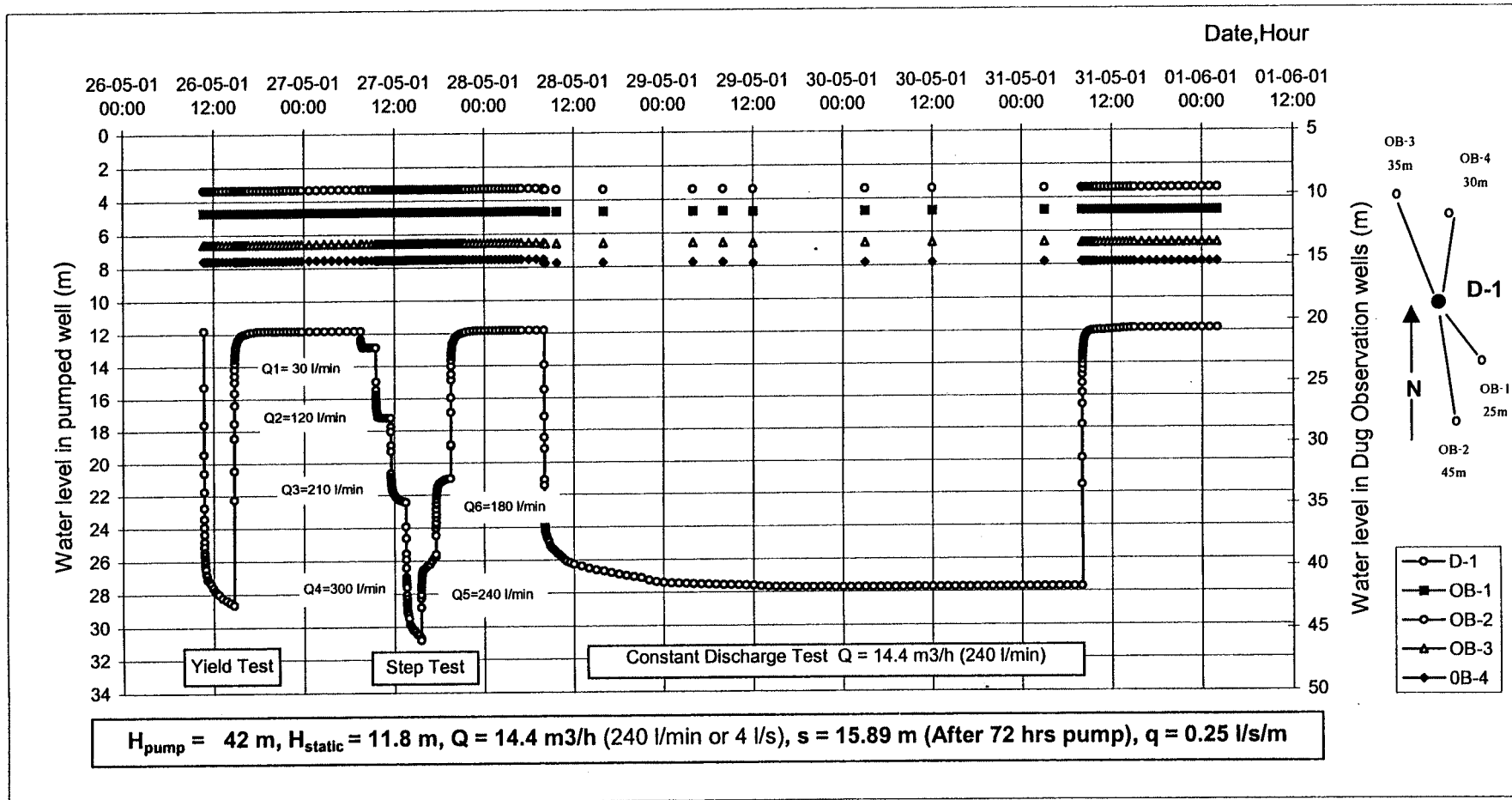


Figure D5. 1 Pumping Test of Borehole D-1 - Krong Nang Town - Krong Nang

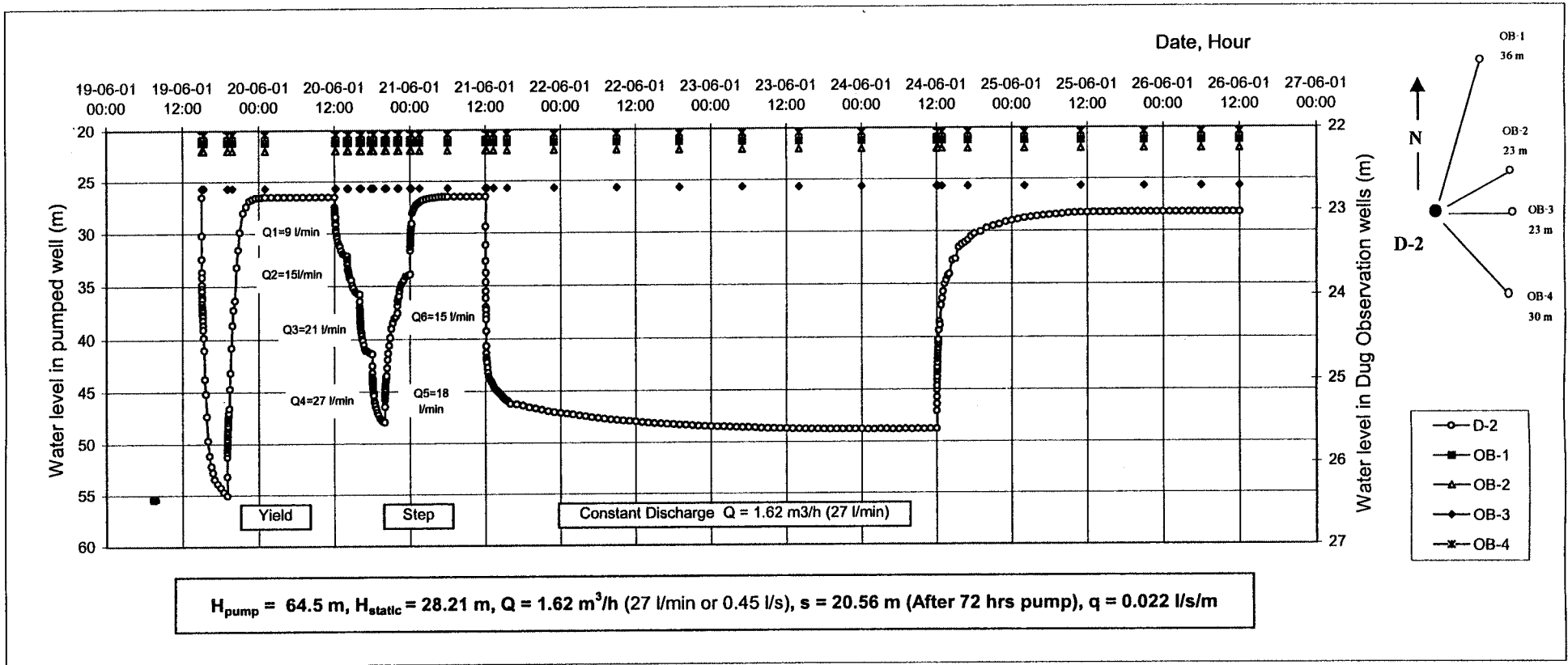


Figure D5. 2 Pumping Test of Borehole D-2 - Ea Drang Town - Ea Hleo District

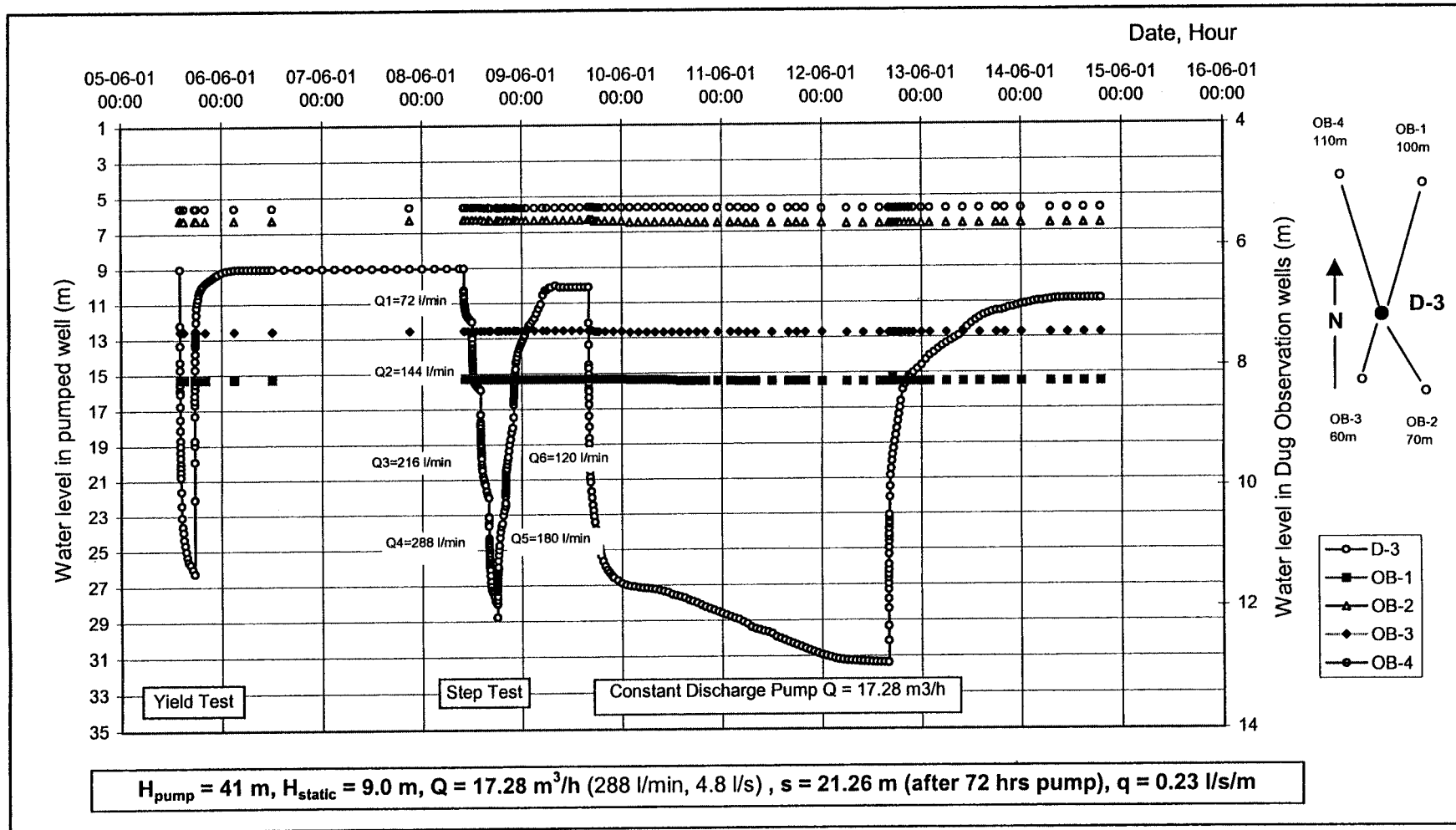


Figure D5.3 Pumping Test of Borehole D-3 - Krong Buk Commune - Krong Pak

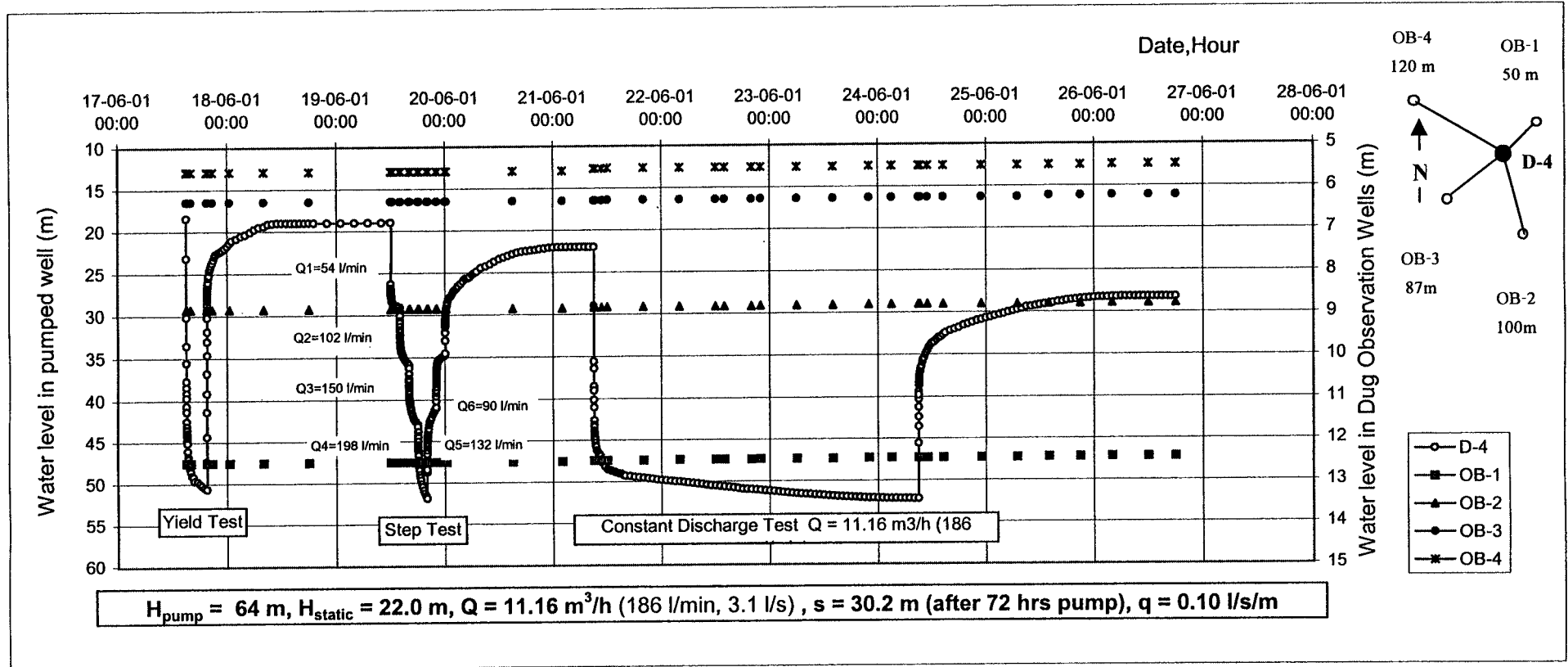


Figure D5. 4 Pumping Test of Borehole D-4 - Ea Drong Commune - Krong Buk

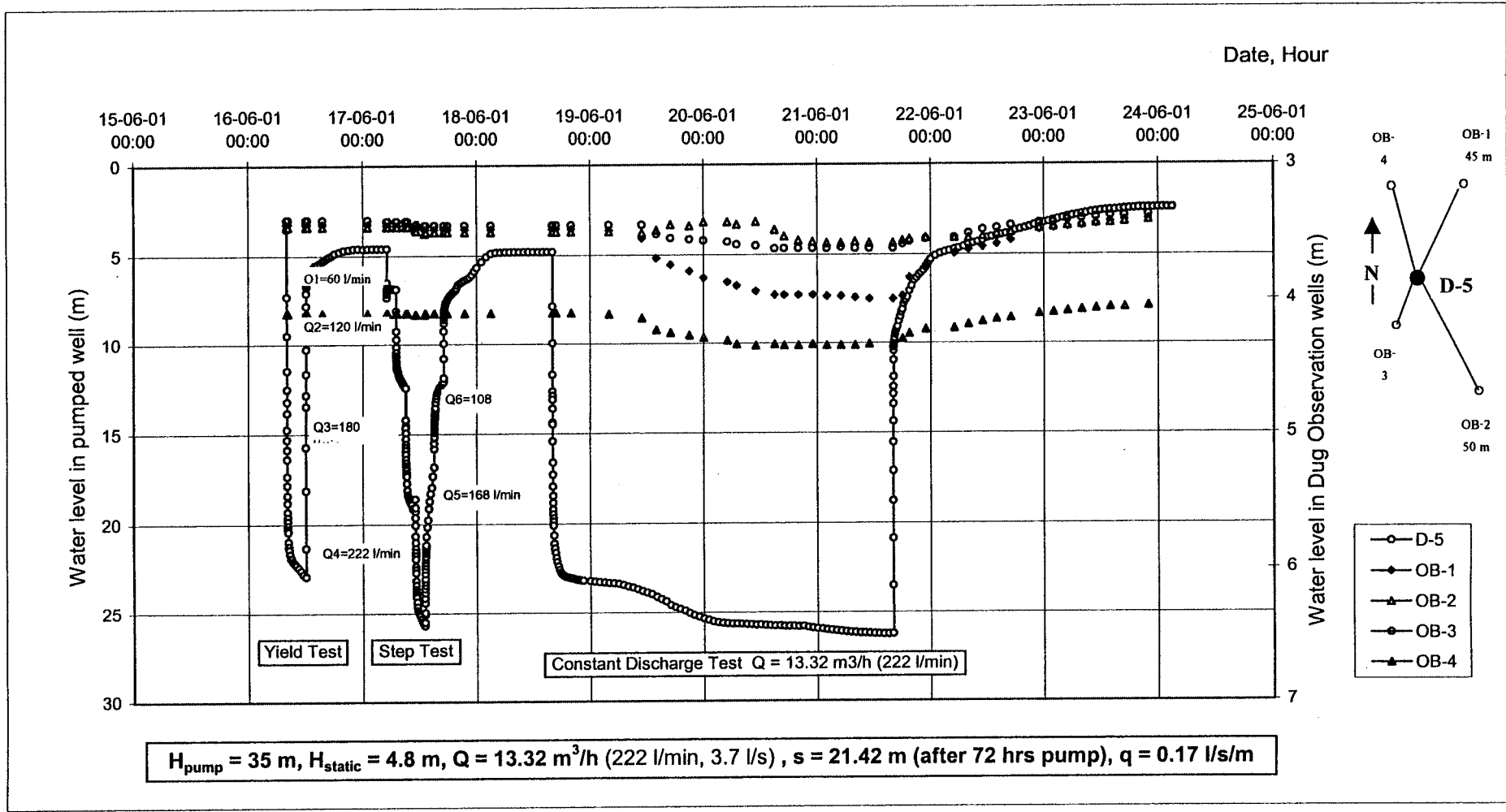


Figure D5. 5 Pumping Test of Borehole D-5 - Ea Wer Commune - Buon Don District

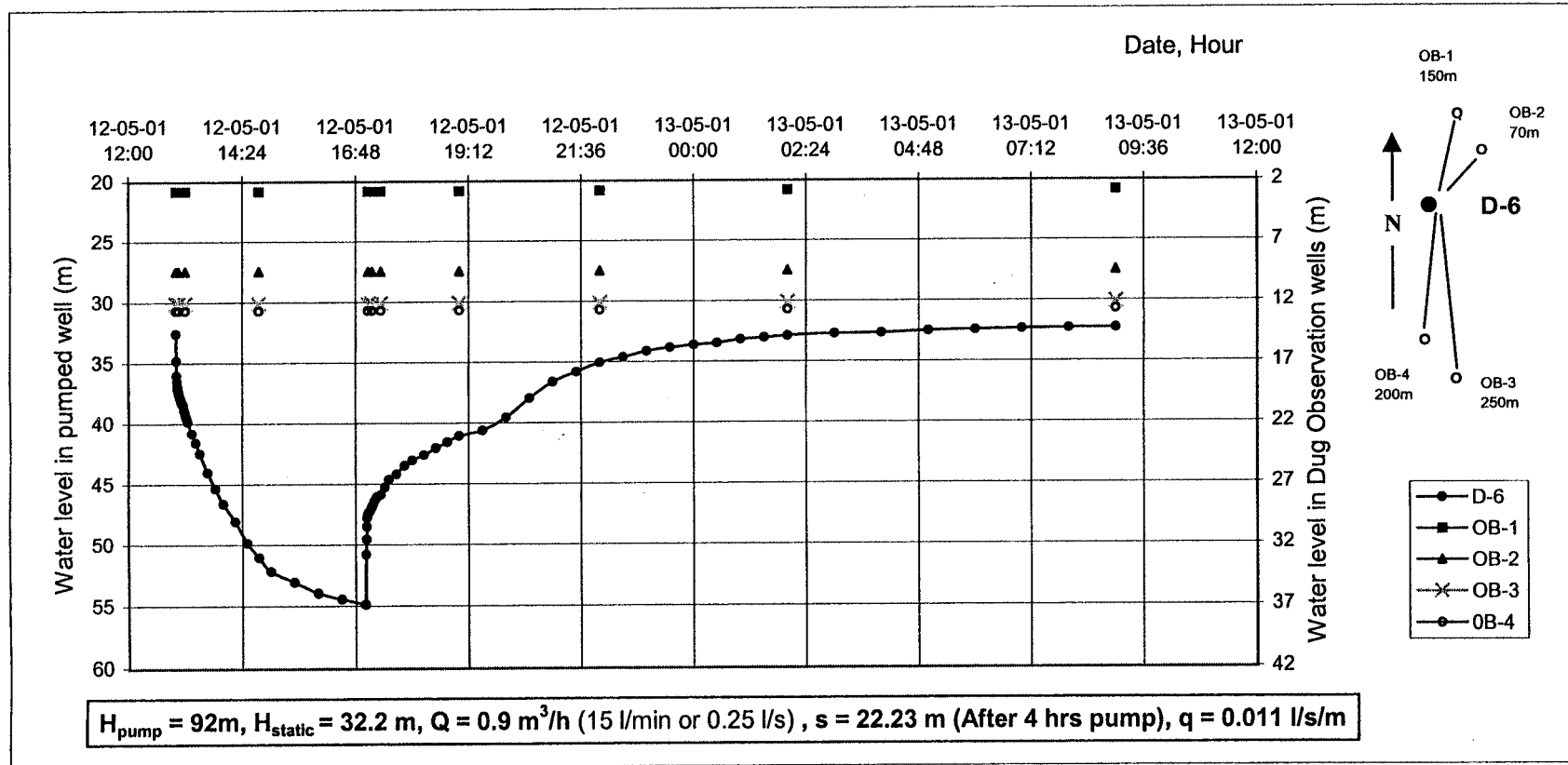


Figure D5. 6 Pumping Test of Borehole D-6 - Kien Duc Town - Dak Rlap District

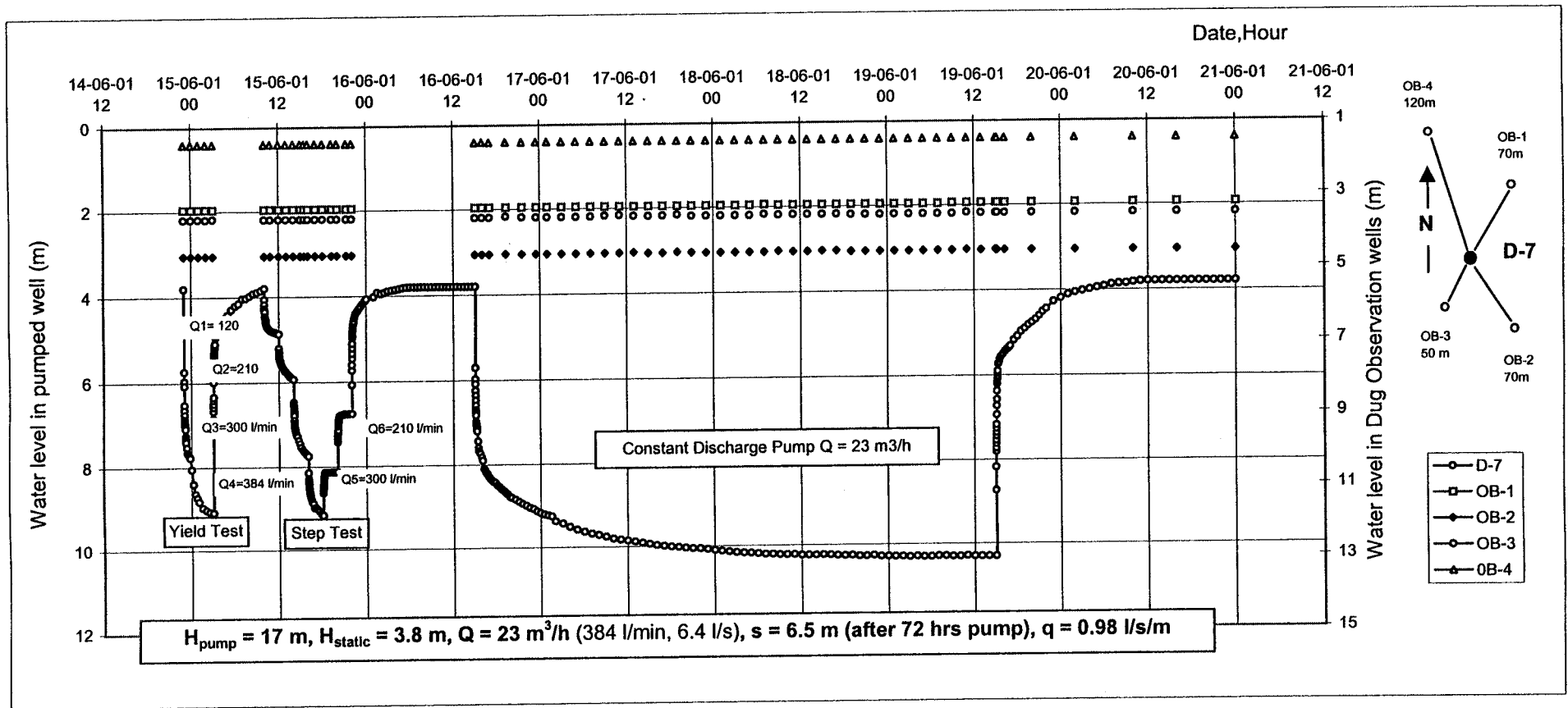
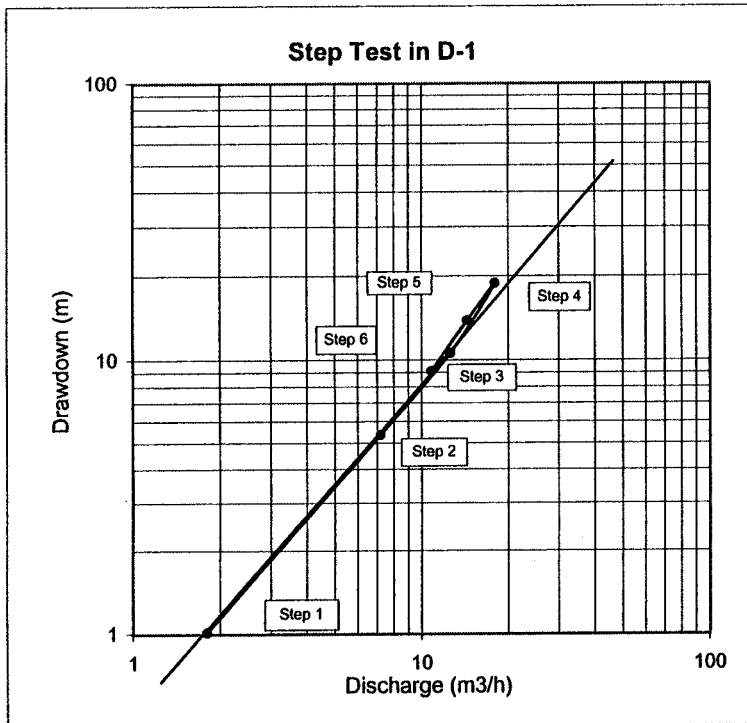
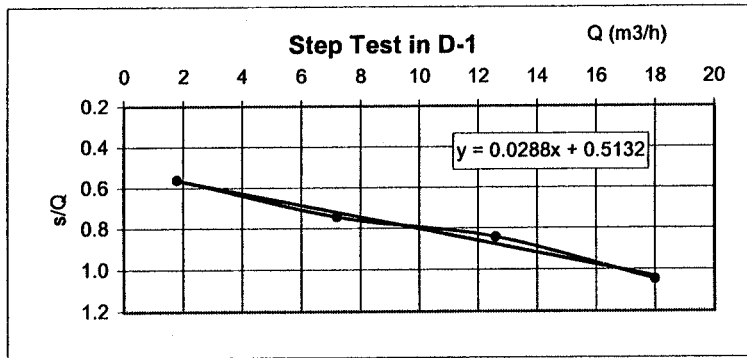
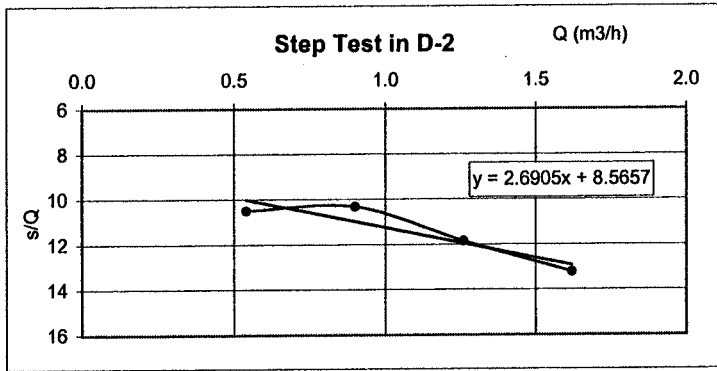


Figure D5. 7 Pumping Test of Borehole D-7 - Krong Kmar Town - Krong Bong



Yield (Q)		Drawdown s (m)	s/Q (h/m ²)	BQ/s (%)
l/min	m ³ /h			
30	1.8	1.01	0.56	91.46
120	7.2	5.36	0.74	68.94
210	12.6	10.60	0.84	61.00
300	18.0	18.86	1.05	48.98
240	14.4	13.9	0.97	53.17
180	10.8	9.14	0.85	60.64
Average:				64.03
Calculated drawdown by Hantush-Bierschenk method: s = B*Q + C*Q*Q B = 0.5132 C = 0.0288				
Q (l/min)	Q (m ³ /h)	s (m)	Calculated drawdown after 2 hours	
283.3	17	17.05		
300.0	18	18.57		
316.7	19	20.15		

Figure D5. 8 Step Drawdown Test at Borehole D-1



Yield (Q)		Drawdown s (m)	s/Q (h/m2)	BQ/s (%)
l/min	m3/h			
9	0.5	5.67	10.50	81.58
15	0.9	9.29	10.32	82.98
21	1.3	14.92	11.84	72.34
27	1.6	21.42	13.22	64.78
18	1.1	11.05	10.23	83.72
12	0.7	7.41	10.29	83.23
Average:				78.11
Calculated drawdown by Hantush-Bierschenk method: $s = B \cdot Q + C \cdot Q^2$ B = 8.5657 C = 2.6905				
Q (l/min)	Q (m3/h)	s (m)	Calculated drawdown after 2 hours	
25.0	1.5	18.90		
26.7	1.6	20.59		
28.3	1.7	22.34		

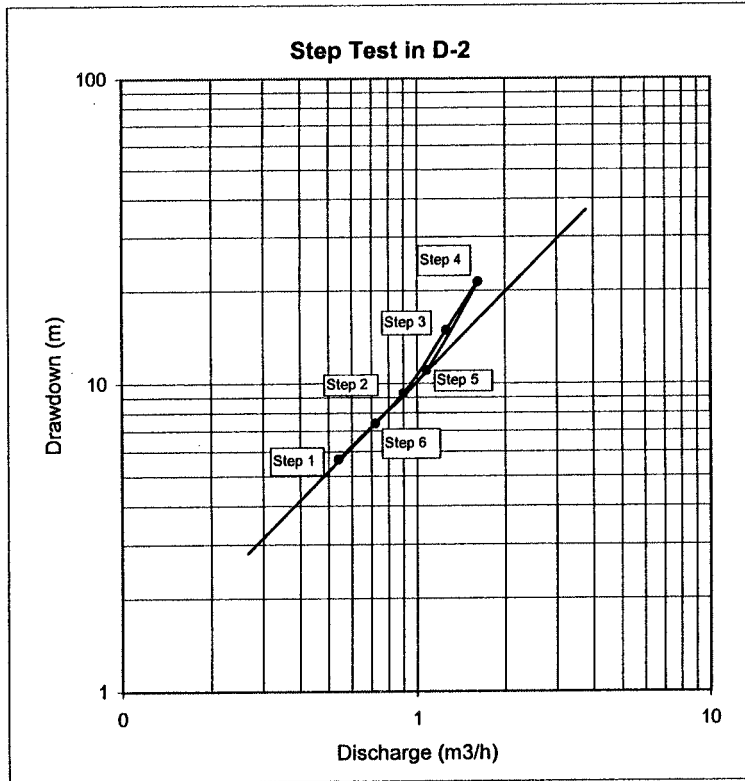
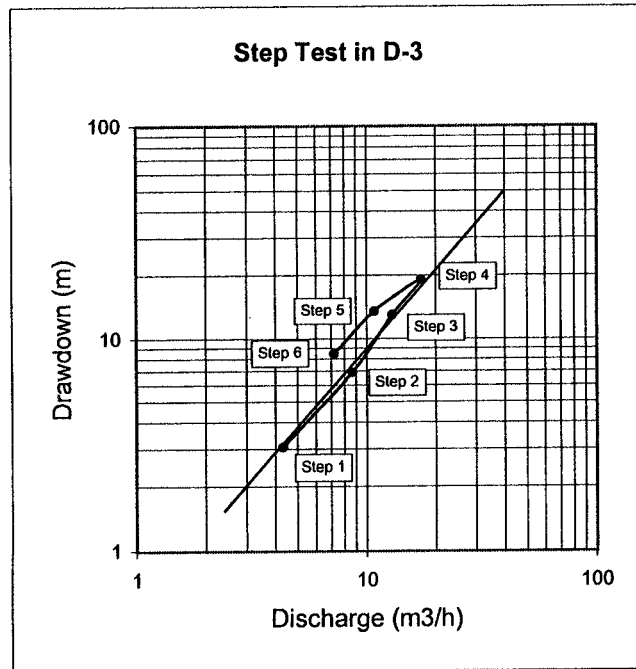
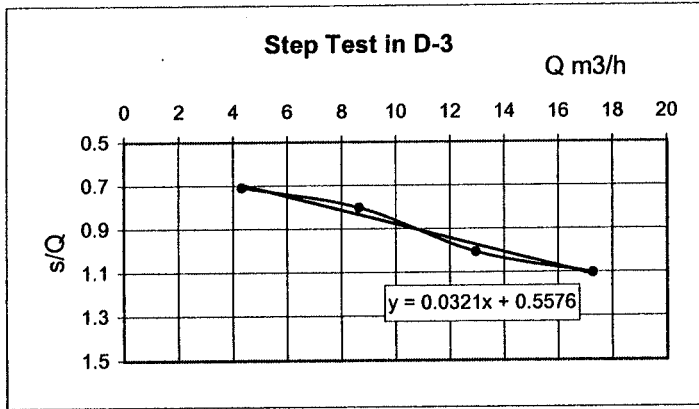
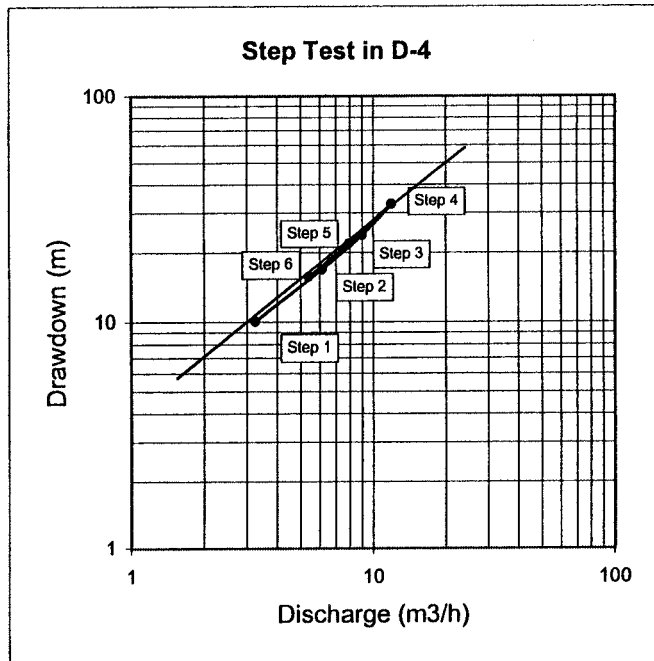
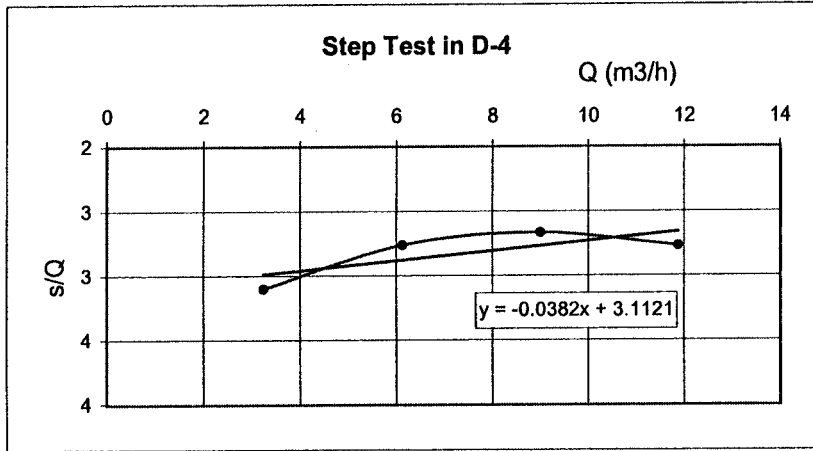


Figure D5. 9 Step Drawdown Test at Borehole D-2



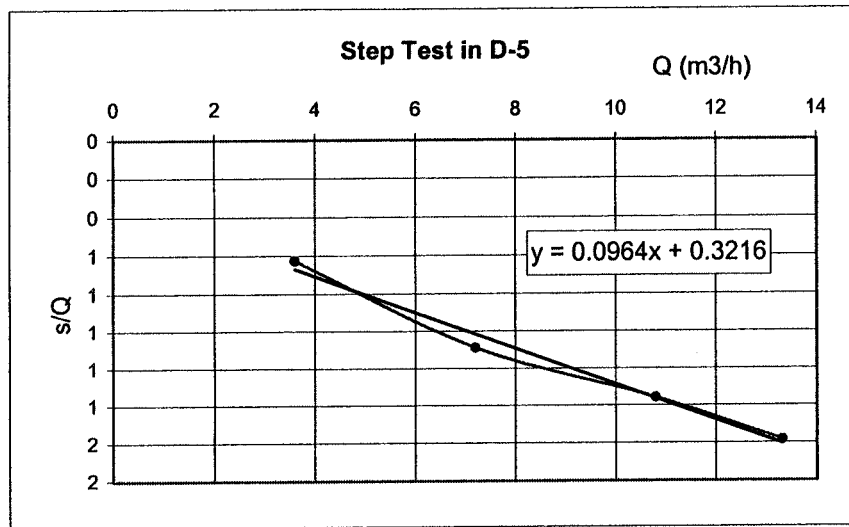
Yield (Q)		Drawdown s (m)	s/Q (h/m ²)	BQ/s (%)
l/min	m ³ /h			
72	4.3	3.06	0.71	78.72
144	8.6	6.92	0.80	69.62
216	13.0	13.03	1.01	55.46
288	17.3	19.05	1.10	50.58
180	10.8	13.5	1.25	44.61
120	7.2	8.45	1.17	47.51
Average:				57.75
Calculated drawdown by Hantush-Bierschenk method: $s = B \cdot Q + C \cdot Q^2$ B = 0.5576 C = 0.0321				
Q (l/min)	Q (m ³ /h)	s (m)	Calculated drawdown after 2 hours	
266.7	16	17.14		
283.3	17	18.76		
300.0	18	20.44		

Figure D5. 10 Step Drawdown Test at Borehole D-3



Yield (Q)		Drawdown s (m)	s/Q (h/m ²)	BQ/s (%)
l/min	m ³ /h			
54	3.2	10.05	3.10	100.33
102	6.1	16.89	2.76	112.77
150	9.0	23.97	2.66	116.85
198	11.9	32.87	2.77	112.48
132	7.9	22.03	2.78	111.88
90	5.4	15.76	2.92	106.63
Average:				110.16
Calculated drawdown by Hantush-Bierschenk method: $s = B \cdot Q + C \cdot Q^2$ B = 3.1121 C = 0.0382				
Q (l/min)	Q (m ³ /h)	s (m)	Calculated drawdown after 2 hours	
116.7	7	23.66		
133.3	8	27.34		
150.0	9	31.10		

Figure D5. 11 Step Drawdown Test at Borehole D-4



Yield (Q)		Drawdown s (m)	s/Q (h/m2)	BQ/s (%)
l/min	m3/h			
60	3.6	2.25	0.63	51.46
120	7.2	7.83	1.09	29.57
180	10.8	14.67	1.36	23.68
222	13.3	21.09	1.58	20.31
168	10.1	12.33	1.22	26.29
108	6.5	7.5	1.16	27.79
Average:				29.85

Calculated drawdown by
Hantush-Bierschenk method:
 $s = B \cdot Q + C \cdot Q^2$
B = 0.3216
C = 0.0964

Q (l/min)	Q (m3/h)	s (m)	
183.3	11	15.20	Calculated drawdown afetr 2 hours
200.0	12	17.74	
216.7	13	20.47	

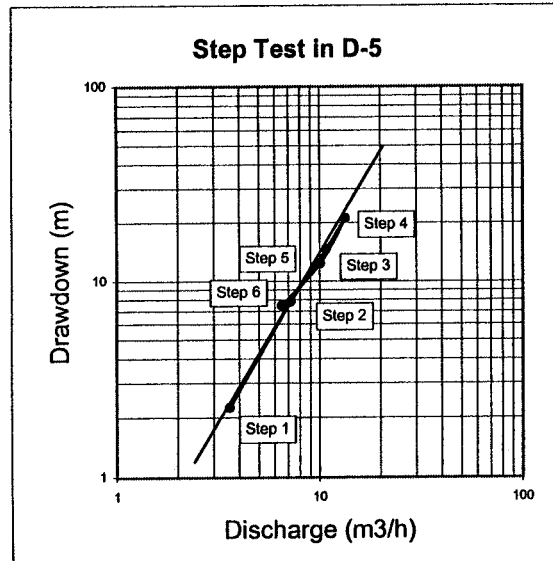
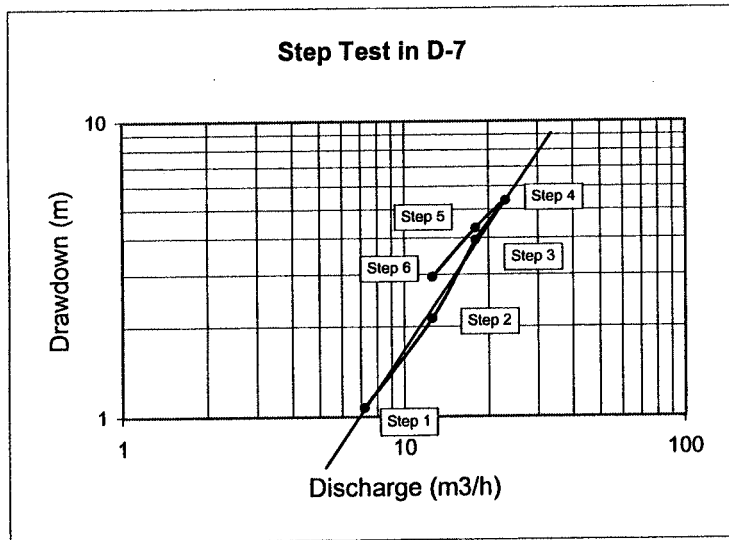
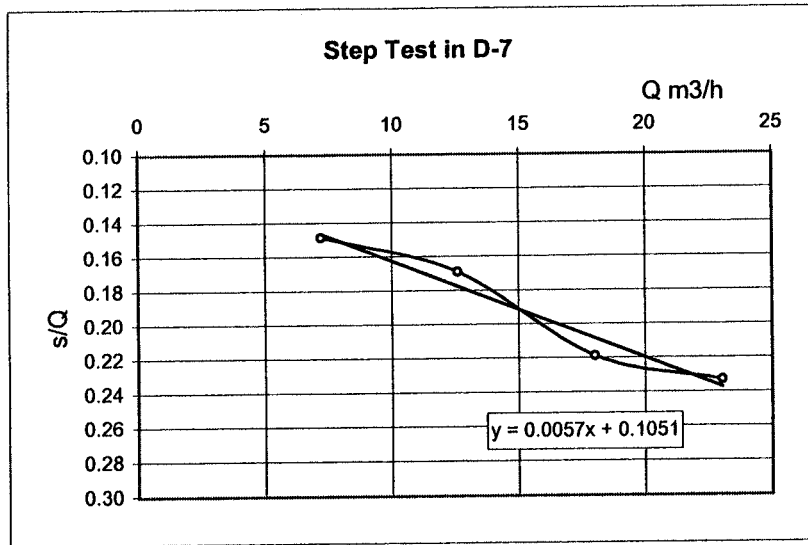


Figure D5. 12 Step Drawdown Test at Borehole D-5



Yield (Q)		Drawdown s (m)	s/Q (h/m2)	BQ/s (%)
l/min	m3/h			
120	7.2	1.07	0.15	70.72
210	12.6	2.13	0.17	62.17
300	18.0	3.94	0.22	48.02
384	23.0	5.37	0.23	45.09
300	18.0	4.33	0.24	43.69
210	12.6	2.95	0.23	44.89
Average:				52.43
Calculated drawdown by Hantush-Bierschenk method: $s = B*Q + C*Q*Q$ B = 0.1051 C = 0.0057				
Q (l/min)	Q (m3/h)	s (m)	Calculated drawdown after 2 hours	
333.3	20	4.38		
366.7	22	5.07		
416.7	25	6.19		
583.3	35.0	10.66		

Figure D5. 13 Step Drawdown Test at Borehole D-7

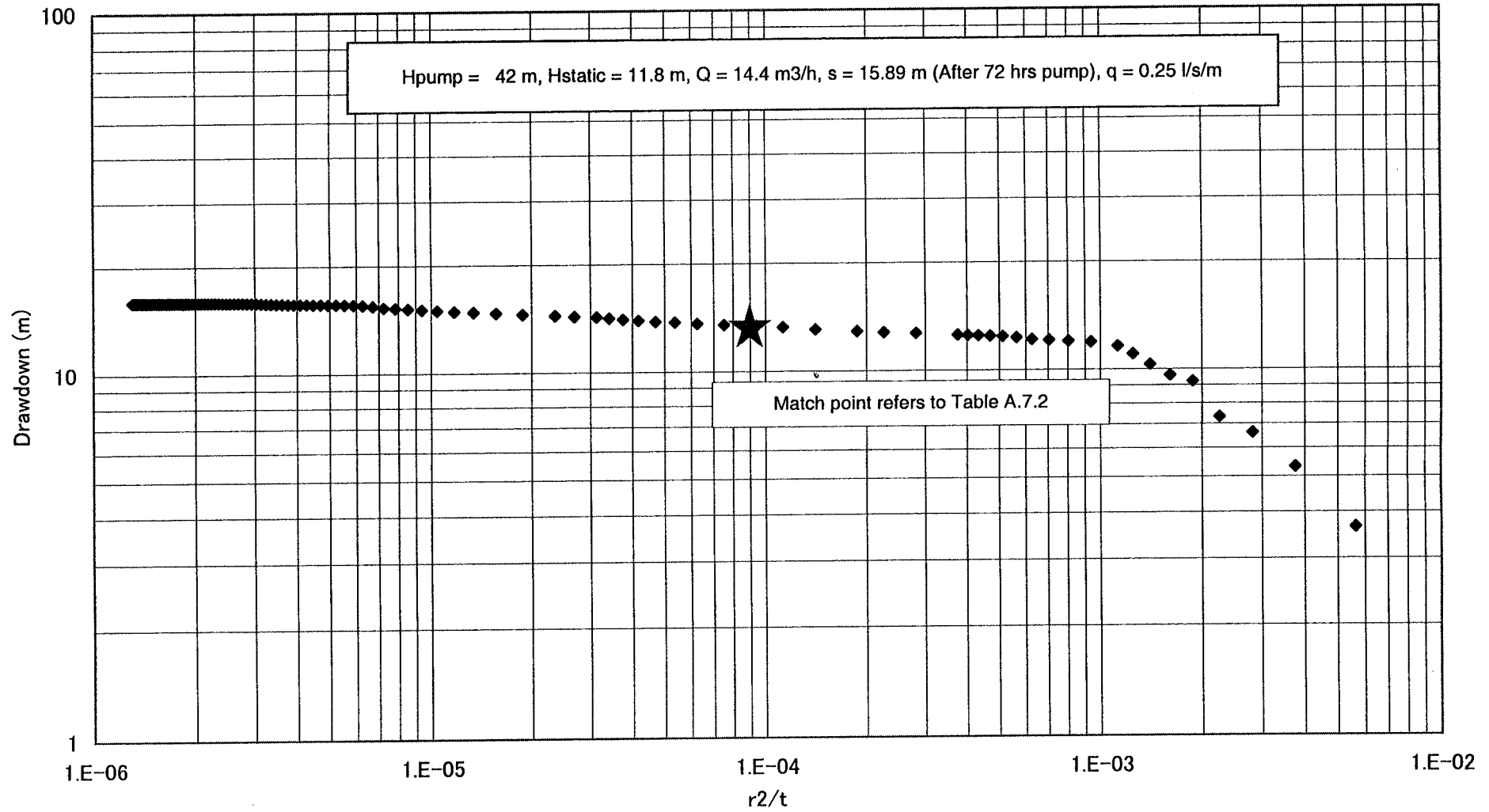


Figure D5. 14 Constant Continuous Pumping Test Analyzed by Theis Analysis Method at D1, Krong Nang Town

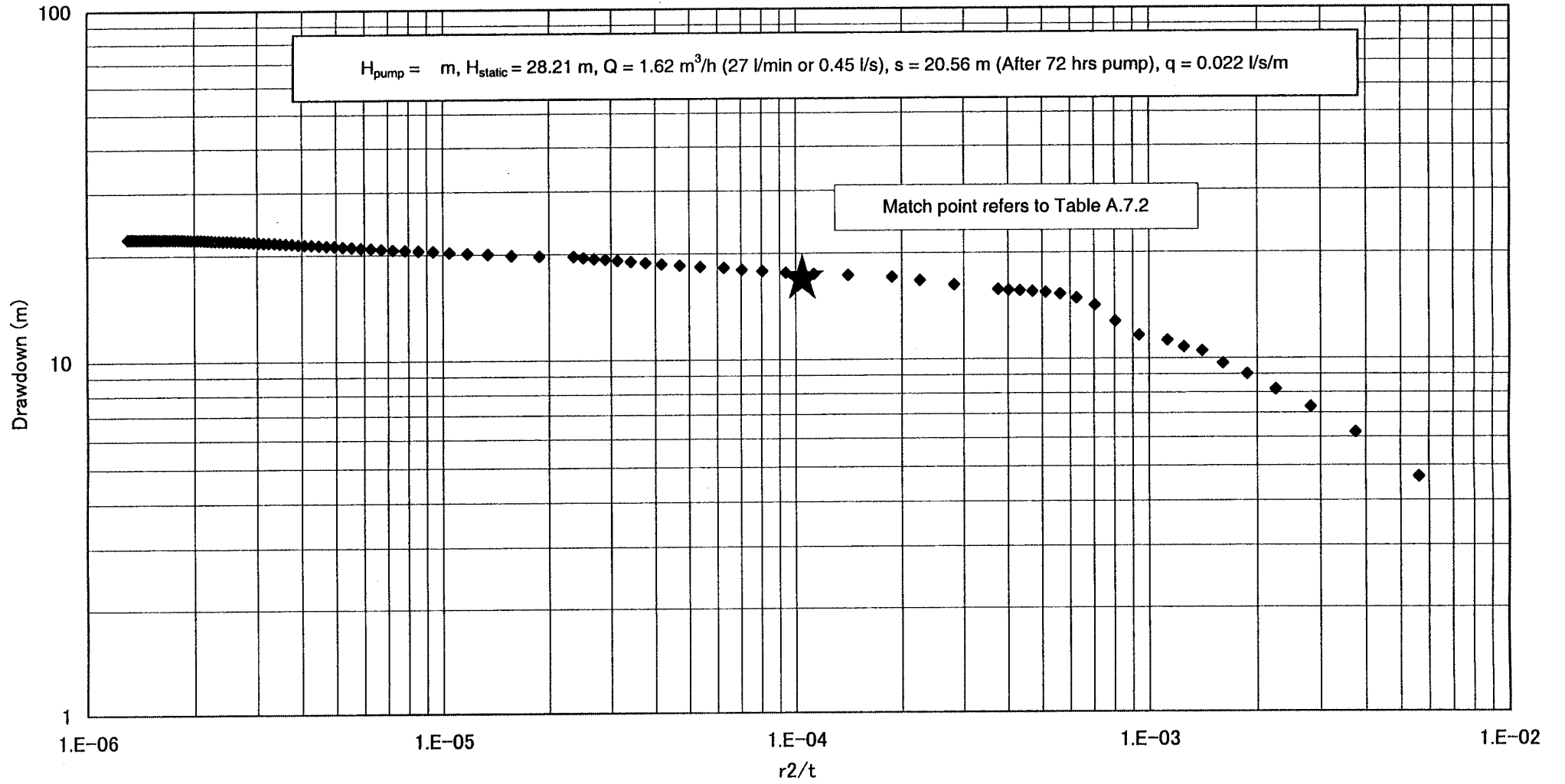


Figure D5. 15 Constant Continuous Pumping Test Analyzed by Theis Analysis Method at D2, Ea Drang Town

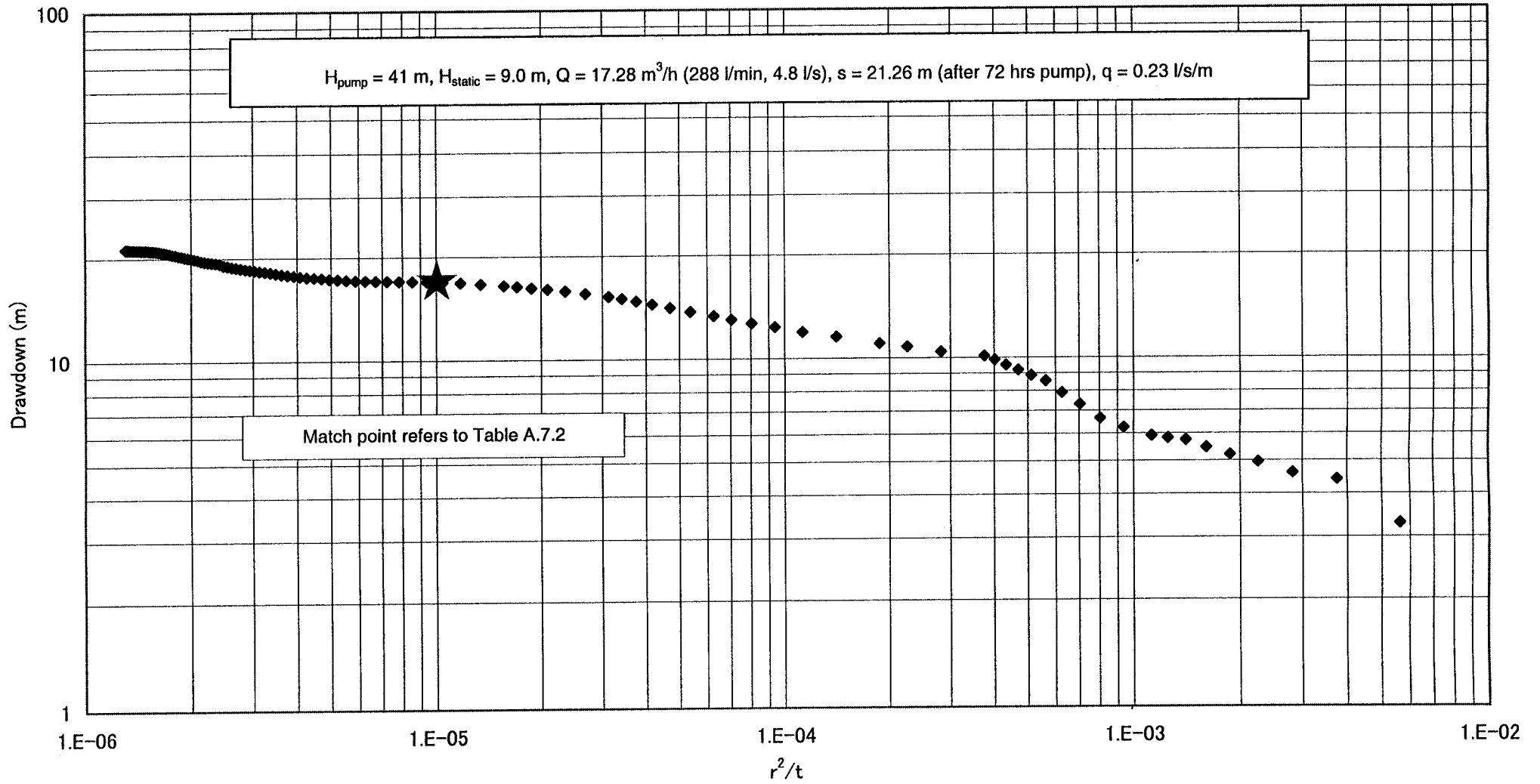


Figure D5. 16 Constant Continuous Pumping Test Analyzed by Theis Analysis Method at D3, Krong Buk Commune

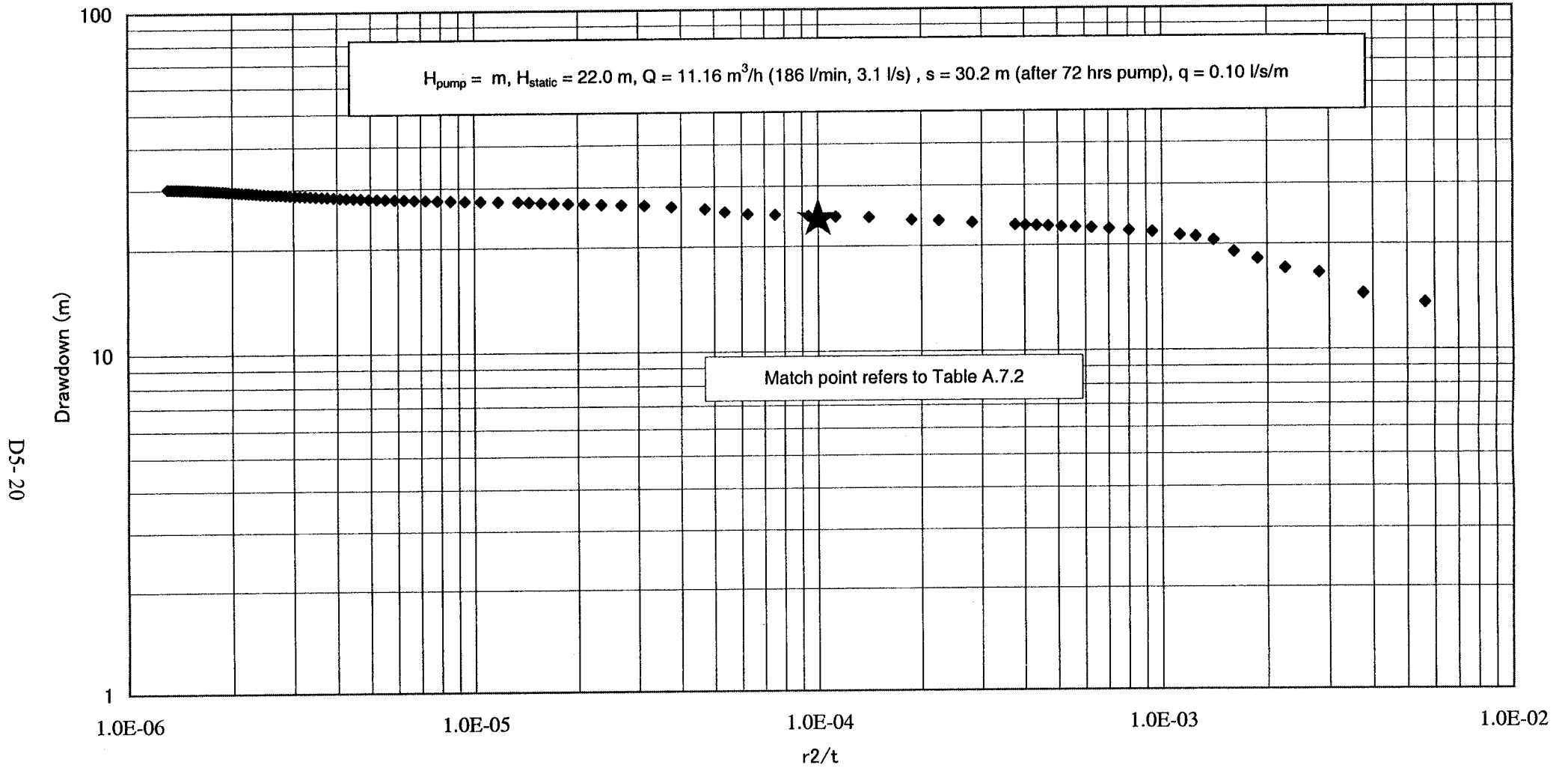


Figure D5. 17 Constant Continuous Pumping Test, Analyzed by Theis Analysis Method at D4, Ea Drong Commune

DS-21

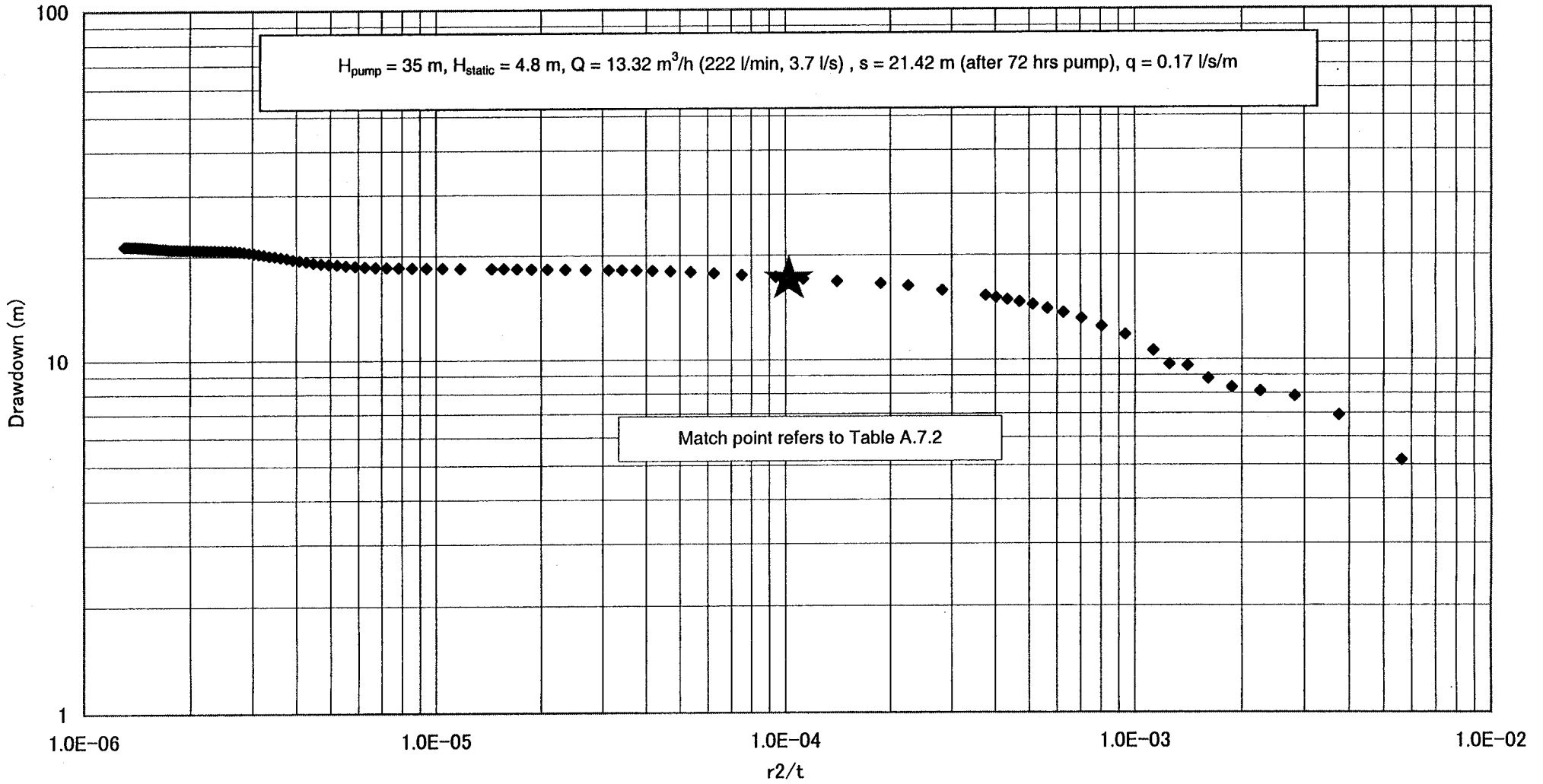


Figure D5. 18 Constant Continuous Pumping Test Analyzed by Theis Analysis Method at D5, Ea Wer Commune

D5-22

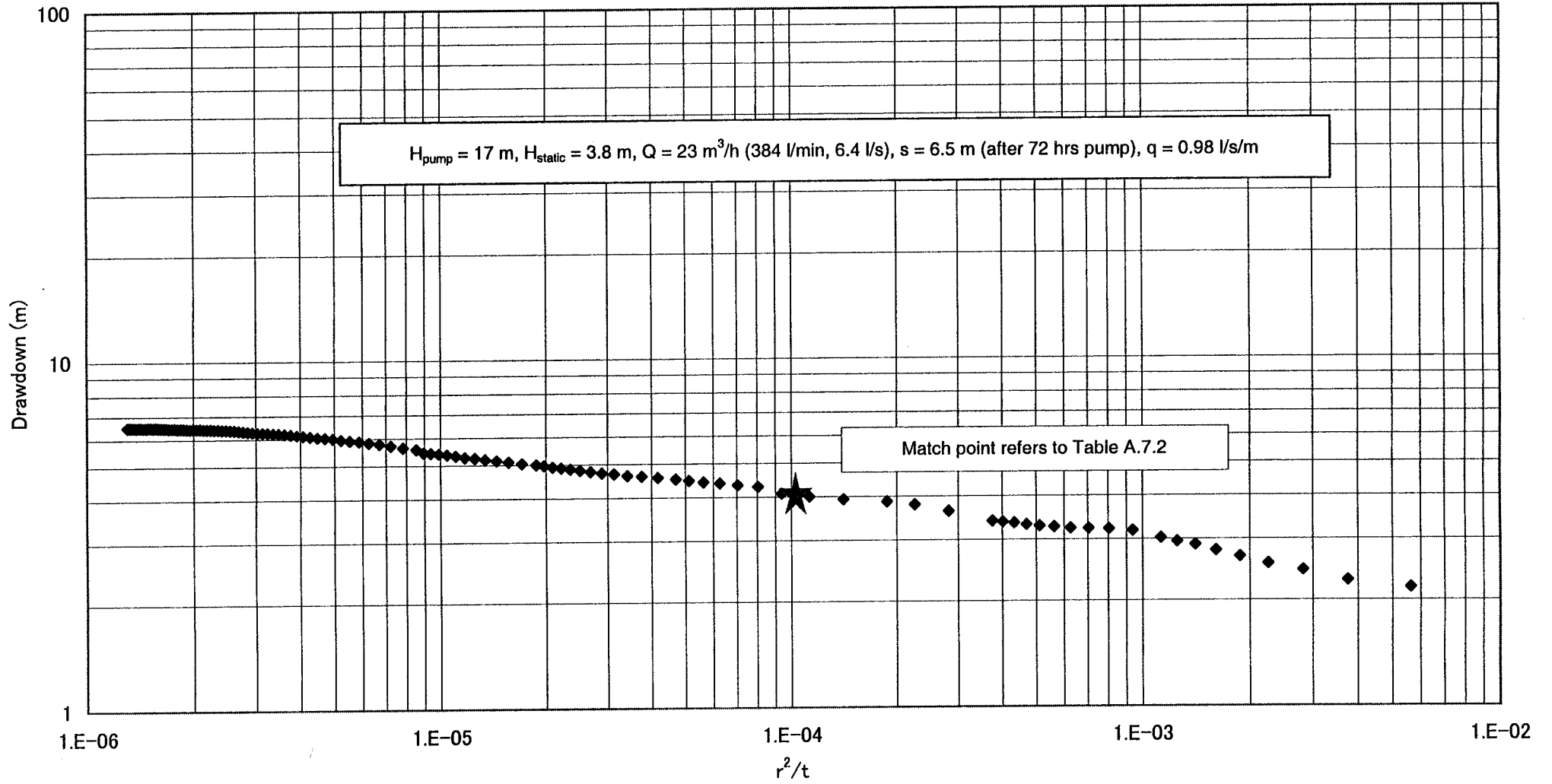
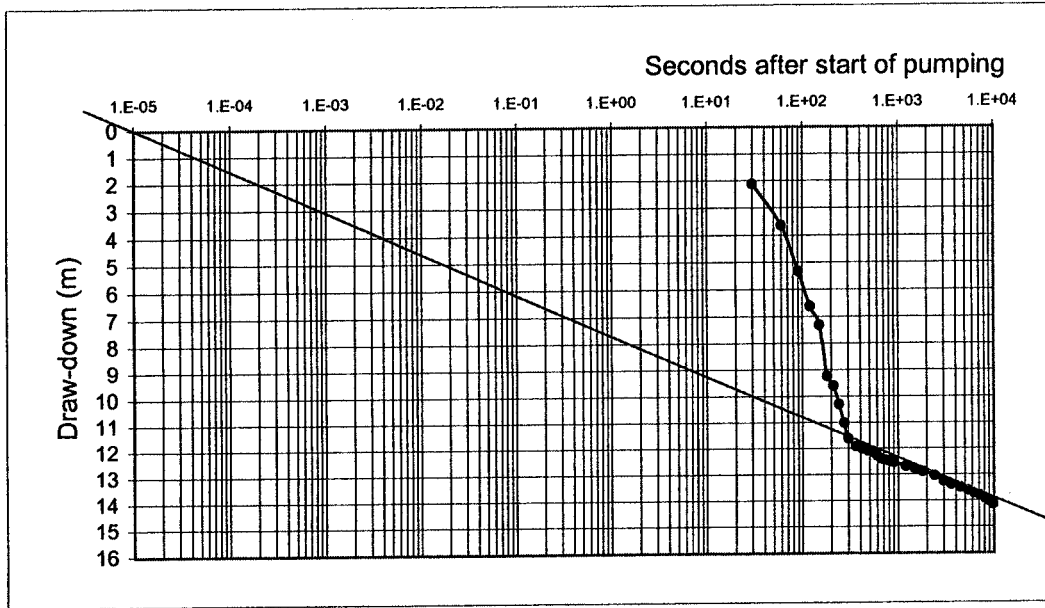
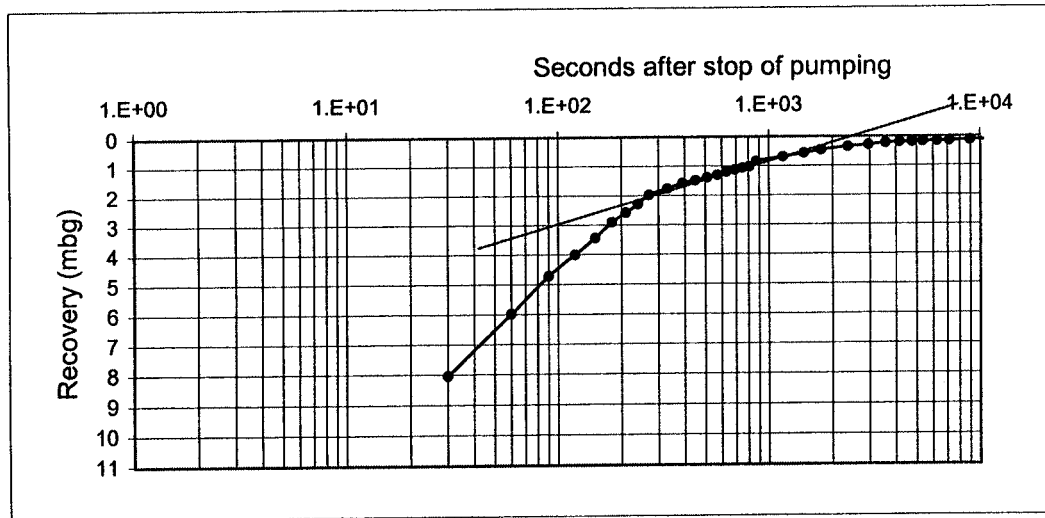


Figure D5. 19 Constant Continuous Pumping Test Analyzed by Theis Analysis Method at D7, Krong Kmar Town



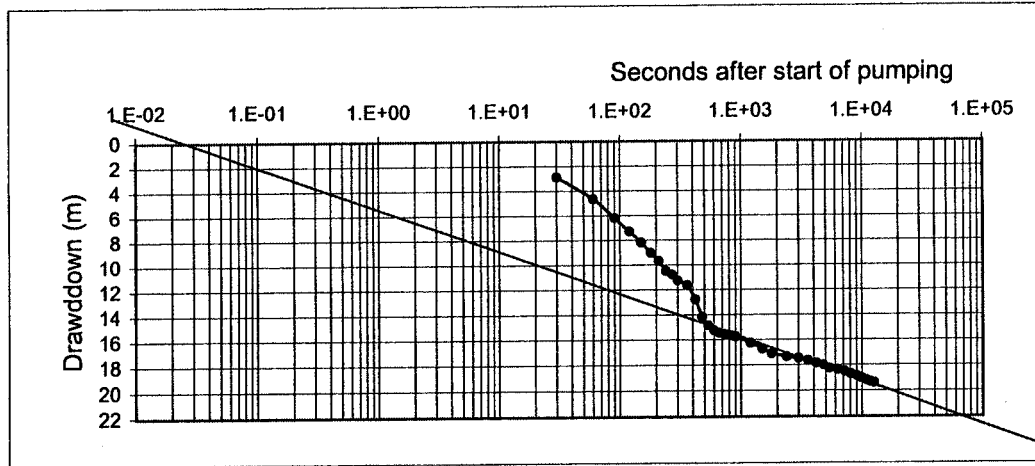
Transmissivity:		
Q =	14.4	m ³ /h
ds =	1.5	m/decade
$T = 0.183 \cdot Q \cdot 24 / ds$		
T =	42.16	m ² /day
T =	4.88E-04	m ² /sec

Storage Coefficient:		
r =	0.075	
t ₀ =	1.00E-05	sec
$S = 2.25 \cdot T \cdot t_0 / r \cdot r$		
S =	2.0E-06	



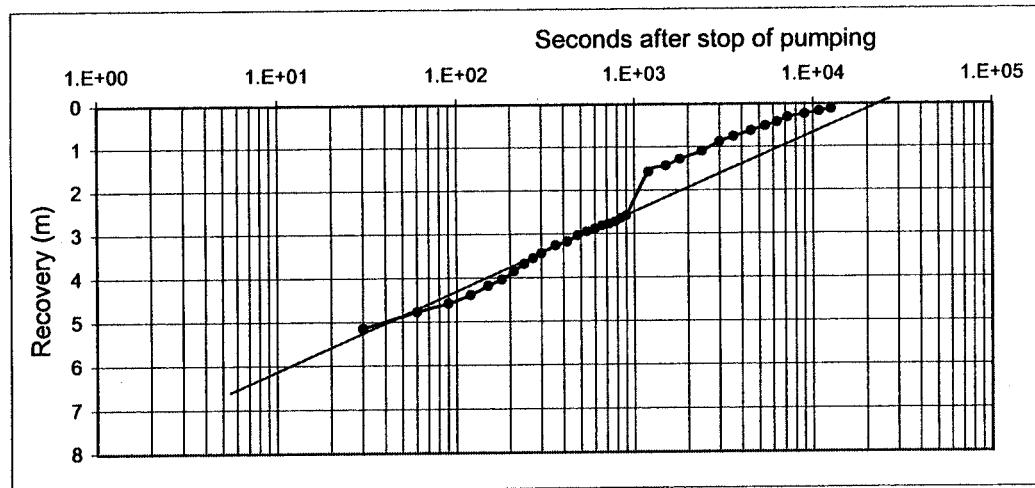
Transmissivity, recovery		
r =	0.075	
Q =	14.4	m ³ /h
ds =	2	m/decade
$T = 0.183 \cdot Q \cdot 24 / ds$		
T =	31.62	m ² /day
T =	3.66E-04	m ² /sec

Figure D5. 20 Calculation of Transmissivity and Storage Coefficient by Cooper-Jacob and Recovery methods at Borehole D-1



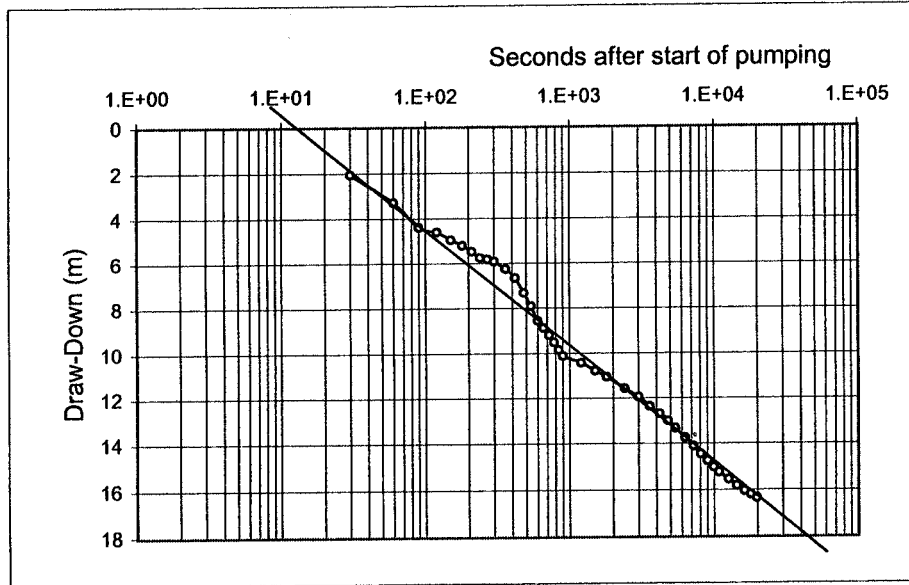
Transmissivity:		
Q =	1.6	m ³ /h
ds =	3.0	m/decade
$T = 0.183 \cdot Q \cdot 24 / ds$		
T =	2.37	m ² /day
T =	2.75E-05	m ² /sec

Storage Coefficient:		
r =	0.075	
t ₀ =	3.00E-02	sec
$S = 2.25 \cdot T \cdot t_0 / r \cdot r$		
S =	3.3E-04	



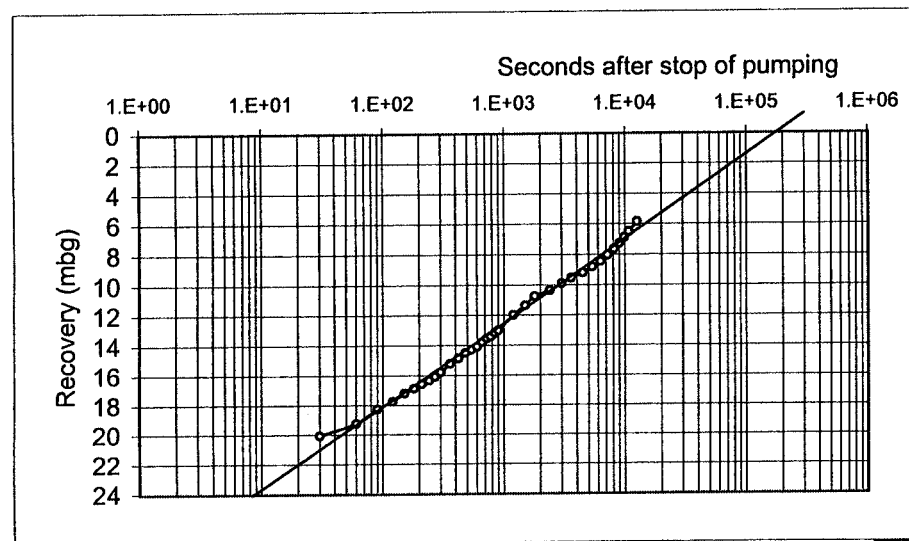
Transmissivity, recovery		
r =	0.075	
Q =	1.62	m ³ /h
ds =	1.8	m/decade
$T = 0.183 \cdot Q \cdot 24 / ds$		
T =	3.95	m ² /day
T =	4.58E-05	m ² /sec

Figure D5. 21 Calculation of Transmissivity and Storage Coefficient by Cooper-Jacob and Recovery methods at Borehole D-2



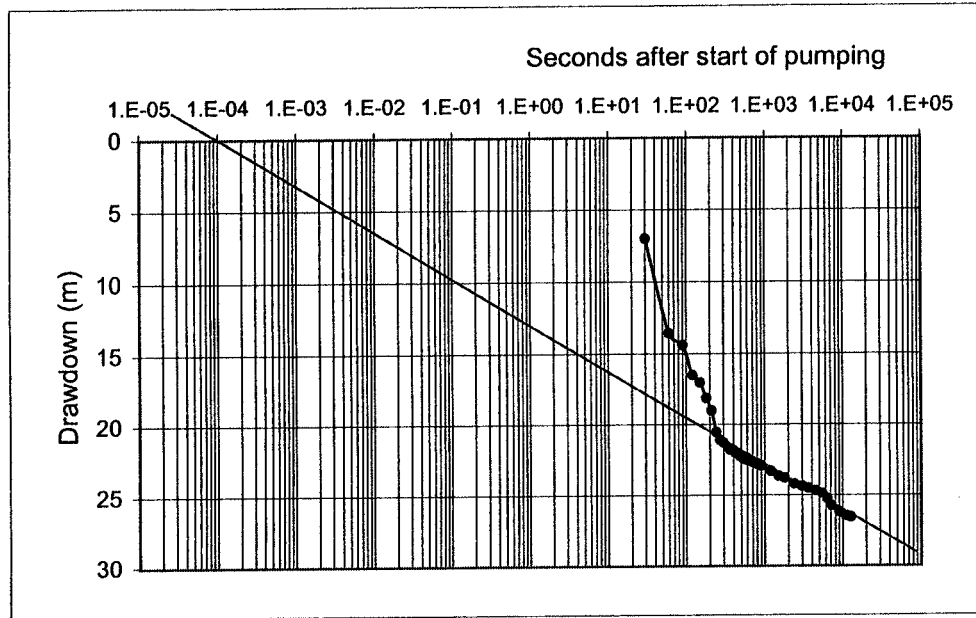
Transmissivity:		
Q =	17.3	m ³ /h
ds =	5.0	m/decade
$T = 0.183 \cdot Q \cdot 24 / ds$		
T =	15.18	m ² /day
T =	1.76E-04	m ² /sec

Storage Coefficient:		
r =	0.075	
t ₀ =	1.50E+01	sec
$S = 2.25 \cdot T \cdot t_0 / r$		
S =	1.1E+00	



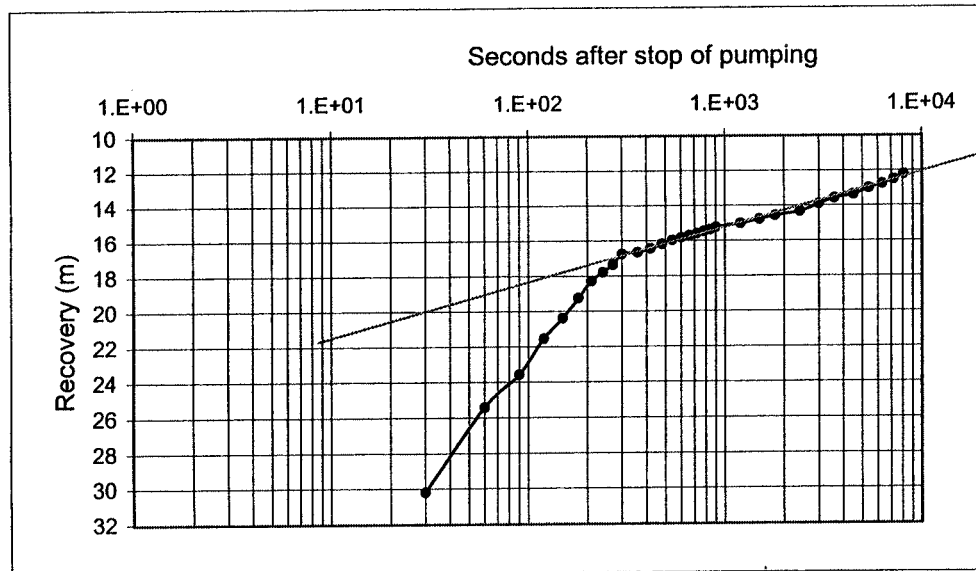
Transmissivity, recovery		
r =	0.075	
Q =	17.28	m ³ /h
ds =	5.5	m/decade
$T = 0.183 \cdot Q \cdot 24 / ds$		
T =	13.80	m ² /day
T =	1.60E-04	m ² /sec

Figure D5. 22 Calculation of Transmissivity and Storage Coefficient by Cooper-Jacob and Recovery methods at Borehole D-3



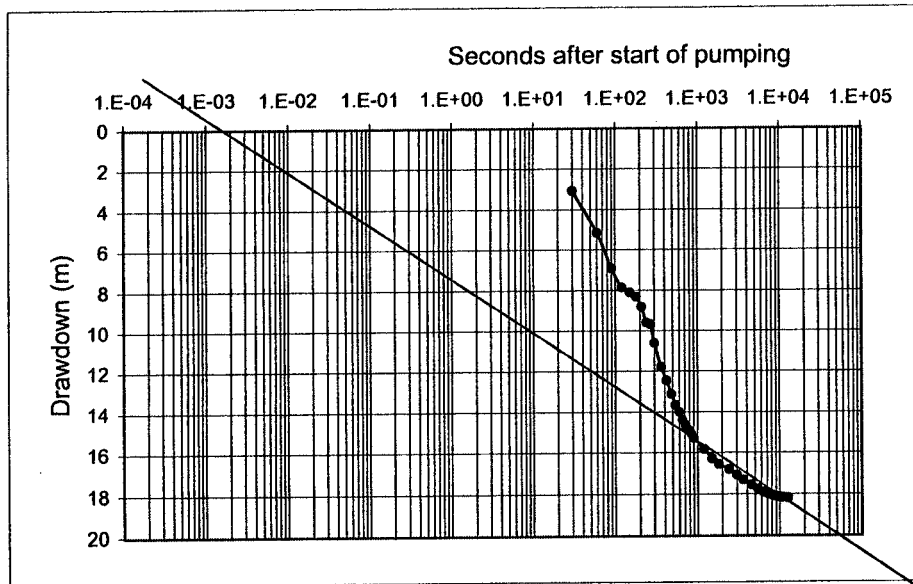
Transmissivity:		
Q =	11.2	m ³ /h
ds =	3.0	m/decade
$T = 0.183 \cdot Q \cdot 24 / ds$		
T =	16.34	m ² /day
T =	1.00E-04	m ² /sec

Storage Coefficient:		
r =	0.075	
t ₀ =	1.00E-04	sec
$S = 2.25 \cdot T \cdot t_0 / r$		
S =	4.0E-06	



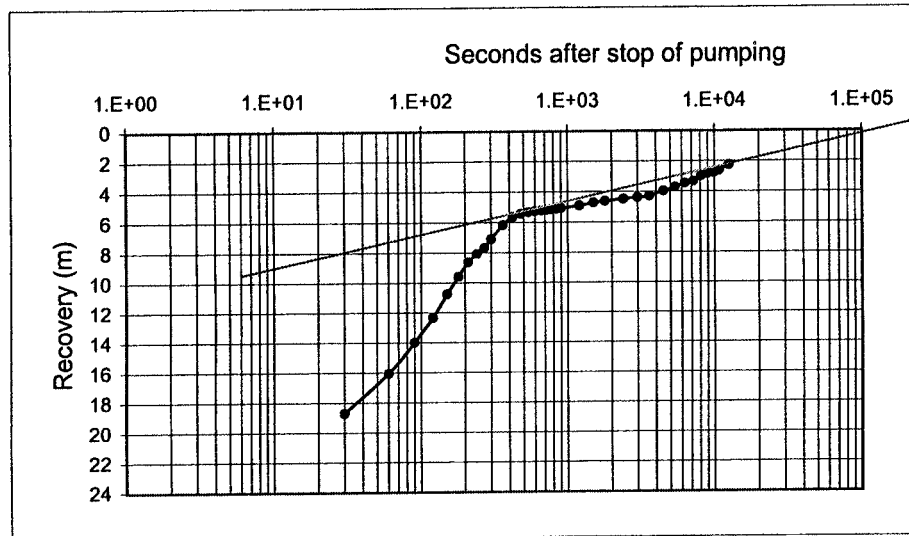
Transmissivity, recovery		
r =	0.075	
Q =	11.16	m ³ /h
ds =	3.5	m/decade
$T = 0.183 \cdot Q \cdot 24 / ds$		
T =	14.00	m ² /day
T =	1.62E-04	m ² /sec

Figure D5. 23 Calculation of Transmissivity and Storage Coefficient by Cooper-Jacob and Recovery methods at Borehole D-4



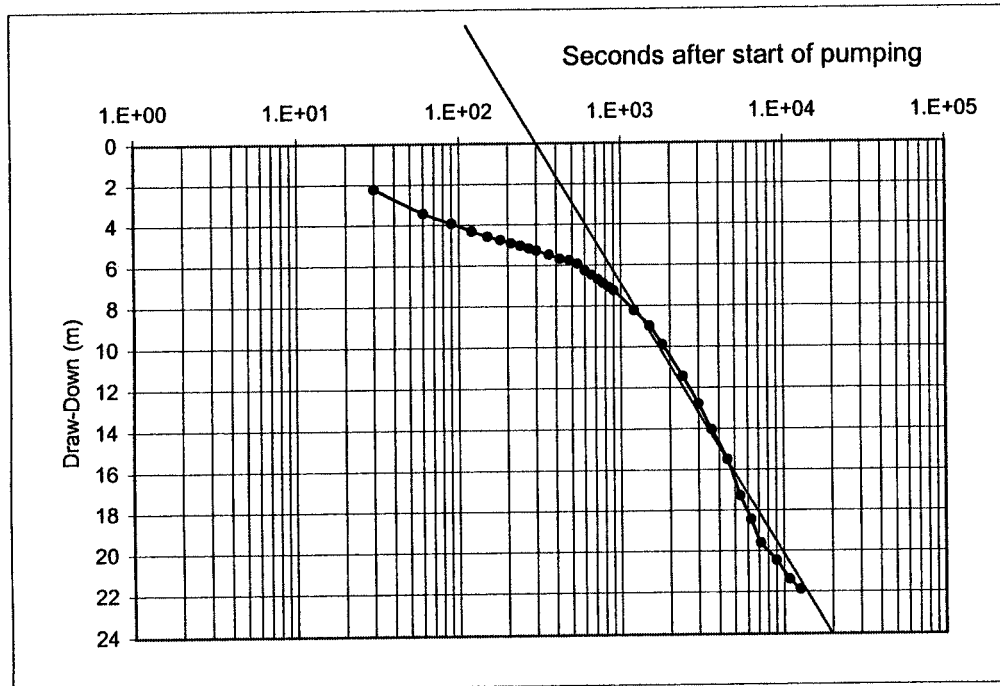
Transmissivity:		
Q =	13.3	m ³ /h
ds =	3.0	m/decade
$T = 0.183 \cdot Q \cdot 24 / ds$		
T =	19.50	m ² /day
T =	2.26E-04	m ² /sec

Storage Coefficient:		
r =	0.075	
t ₀ =	2.00E-03	sec
$S = 2.25 \cdot T \cdot t_0 / r \cdot r$		
S =	1.8E-04	



Transmissivity, recovery		
r =	0.075	
Q =	13.32	m ³ /h
ds =	2.5	m/decade
$T = 0.183 \cdot Q \cdot 24 / ds$		
T =	23.40	m ² /day
T =	2.71E-04	m ² /sec

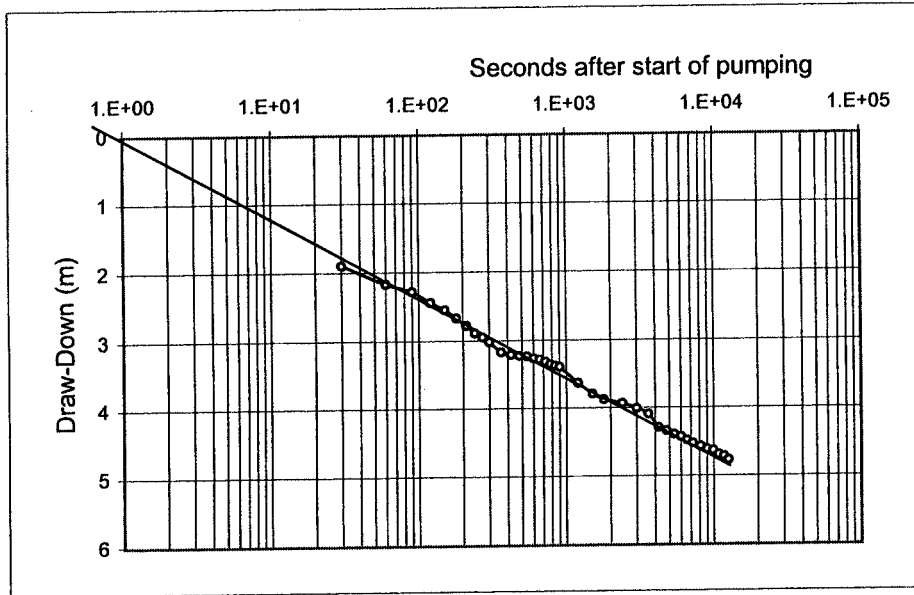
Figure D5. 24 Calculation of Transmissivity and Storage Coefficient by Cooper-Jacob and Recovery methods at Borehole D-5



Transmissivity:		
Q =	0.9	m ³ /h
ds =	13.5	m/decade
$T = 0.183 \cdot Q \cdot 24 / ds$		
T =	0.29	m ² /day
T =	3.39E-06	m ² /sec

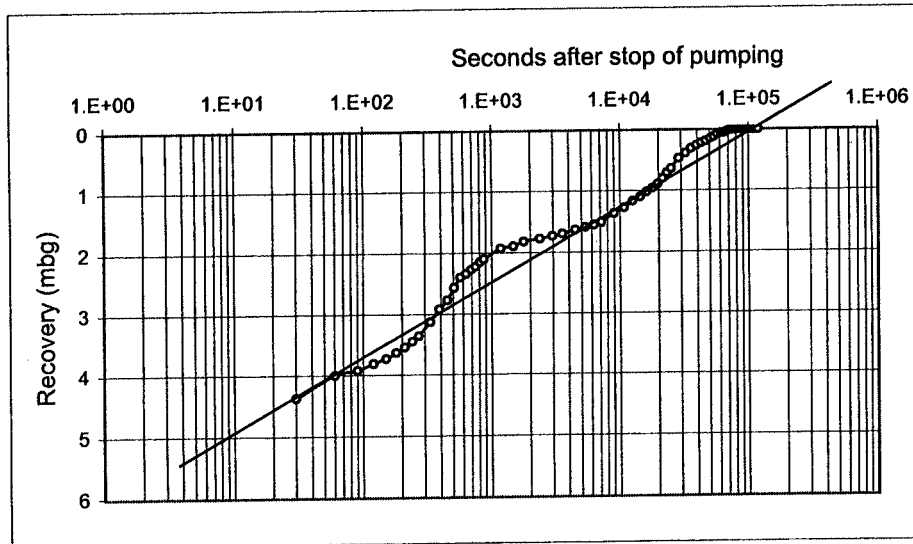
Storage Coefficient:		
r =	0.075	
t ₀ =	3.00E+02	sec
$S = 2.25 \cdot T \cdot t_0 / r \cdot r$		
S =	4.1E-01	

Figure D5. 25 Calculation of Transmissivity and Storage Coefficient by Cooper-Jacob and Recovery methods at Borehole D-6



Transmissivity:		
Q =	23.0	m ³ /h
ds =	1.5	m/decade
$T = 0.183 \cdot Q \cdot 24 / ds$		
T =	67.46	m ² /day
T =	7.81E-04	m ² /sec

Storage Coefficient:		
r =	0.075	
t ₀ =	1.00E+00	sec
$S = 2.25 \cdot T \cdot t_0 / r \cdot r$		
S =	3.1E-01	



Transmissivity, recovery		
r =	0.075	
Q =	23.04	m ³ /h
ds =	1.2	m/decade
$T = 0.183 \cdot Q \cdot 24 / ds$		
T =	84.33	m ² /day
T =	9.76E-04	m ² /sec

Figure D5. 26 Calculation of Transmissivity and Storage Coefficient by Cooper-Jacob and Recovery methods at Borehole D-7