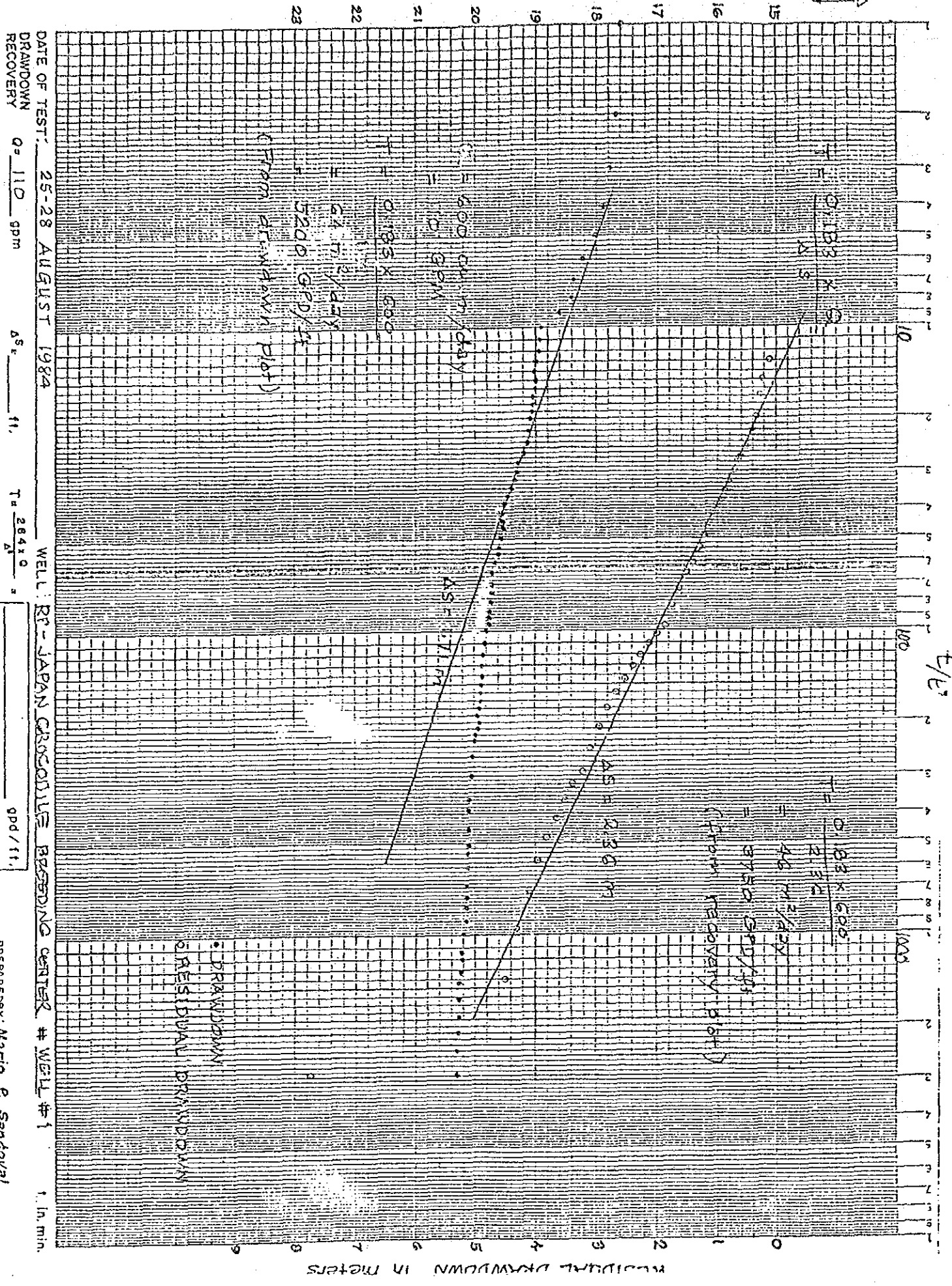


DRAWDOWN in meters



PUMPING TEST DATA

Project: NO-IMP CRUSTACEAN BREEDING CERTIFICATES Borehole No. 1 Date Pumping Started Aug. 25, 1954
 Location: Priny, Division, P.O. Princeps Borehole Depth 65 m Date Pumping Stopped Aug. 27, 1954
 Owner: AMR - All Japan B'n of Borehole Size 17 1/2" Ø
Reptle skin & Leather

Clock (time)	t (minutes)	SWL (meters)	PWL (meters)	Drawdown, DD (meters)	Pump Discharge (GPM)
3:30 pm	0'00"	3.60	-	-	110
	0'20"		15.62	12.02	- do -
	0'40"		20.21	16.61	- do -
3:31	1'00"		21.20	17.60	}
	2'		21.29	17.69	
	3'		21.38	17.78	
	4'		21.49	17.89	
3:35	5'		21.61	18.01	
	6'		21.83	18.23	
	7'		21.97	18.37	
	8'		22.01	18.41	
	9'		22.22	18.62	
3:40	10'		22.52	18.92	
	11'		22.54	18.94	
	12'		22.56	18.96	
	13'		22.59	18.99	
	14'		22.61	19.01	
3:45	15'		22.63	19.03	
	16'		22.62	19.02	
	17'		22.65	19.05	
	18'		22.64	19.04	
	19'		22.66	19.06	
3:50	20'		22.71	19.11	
	22'		22.74	19.14	
	24'		22.76	19.16	
	26'		22.80	19.20	
	28'		22.89	19.29	
4:00	30'		22.91	19.31	
	32'		22.96	19.36	
	34'		23.00	19.40	

Clock (time)	t (minutes)	SWL (meters)	PWL (meters)	Drawdown DD (meters)	Pump Discharge (GPM)
	36	2.60	23.05	19.45	110
	38		23.09	19.49	-do-
	40		23.10	19.50	-do-
	42		23.13	19.53	
	44		23.14	19.54	
	45		23.13	19.53	
	48		23.14	19.54	
	50		23.15	19.55	
	52		23.18	19.58	
	54		23.21	19.61	
	56		23.20	19.60	
	58		23.23	19.63	
4:30	60		23.24	19.64	
	65		23.30	19.70	
	70		23.29	19.69	
	75		23.30	19.70	
	80		23.32	19.72	
	85		23.35	19.75	
5:00	90		23.35	19.75	
	95		23.37	19.77	
	100		23.40	19.80	
	105		23.40	19.80	
	110		23.42	19.82	
	115		23.43	19.83	
5:30	120		23.45	19.85	
	130		23.47	19.87	
	140		23.48	19.88	
6:00	150		23.50	19.90	
	160		23.50	19.90	
	170		23.51	19.91	
6:30	180		23.53	19.93	
	190		23.55	19.95	
	200		23.54	19.94	
7:00	210		23.56	19.96	
	220		23.58	19.98	8

Clock (time)	t (minutes)	SWL (meters)	PWL (meters)	Drawdown DD (meters)	Pump Discharge (GPM)
	235	23.60	23.60	20.00	110
	240		23.61	20.01	- do -
	250		23.61	20.01	- do -
	260		23.62	20.02	
8:00	270		23.64	20.04	
	280		23.65	20.05	
	290		23.65	20.05	
8:30	300		23.66	20.06	
	315		23.67	20.07	
9:00	330		23.67	20.07	
	345		23.68	20.08	
9:30	360		23.68	20.09	
	375		23.69	20.09	
10:00	390		23.70	20.10	
	420		23.70	20.10	
11:00	450		23.71	20.11	
	480		23.71	20.11	
12:00 PM	510		23.72	20.12	
	540		23.73	20.13	
1:00 PM	570		23.73	20.13	
	600		23.74	20.14	
2:00 PM	630		23.75	20.15	
	660		23.75	20.15	
3:00	690		23.75	20.15	
	720		23.76	20.16	
4:00	750		23.76	20.16	
	780		23.75	20.15	
5:00	810		23.76	20.16	
	840		23.76	20.16	
6:00	870		23.77	20.17	
	900		23.77	20.17	
7:00	930		23.78	20.18	
	960		23.80	20.20	
8:00	990		23.80	20.20	
	1020		23.81	20.21	7

Clock (time)	t (minutes)	SWL (meters)	PWL (meters)	Drawdown DD (meters)	Pump Discharge (GPM)
9:50	1030	5.60	23.80	20.20	110
	1080		23.81	20.21	- do -
10:00	1110		23.81	20.21	- do -
	1140		23.82	20.22	
11:00	1170		23.82	20.22	
	1200		23.82	20.22	
12:00 PM	1230		23.82	20.22	
	1260		23.83	20.23	
1:00 pm	1290		23.83	20.23	
	1320		23.84	20.24	
2:00 pm	1350		23.84	20.24	
	1380		23.84	20.24	
3:00	1410		23.85	20.25	
	1440		23.86	20.26	
4:30	1500		23.86	20.26	
	1560		23.87	20.27	
6:30	1620		23.86	20.26	
	1680		23.87	20.27	
	1740		23.87	20.27	
	1800		23.87	20.27	
10:30	1860		23.88	20.28	
	1920		23.88	20.28	
	1980		23.88	20.28	
1:30 AM	2040		23.88	20.28	
	2100		23.89	20.29	
	2160		23.89	20.29	
	2220		23.89	20.29	
	2280		23.89	20.29	
	2340		23.90	20.30	
4:30 AM	2400		23.90	20.30	
	2460		23.90	20.30	
	2520		23.90	20.30	
	2580		23.90	20.30	
	2640		23.90	20.30	
	2700		23.90	20.30	

WELL RECOVERY DATA

Project RP-JAPAN CROCODYLE BREEDING CENTER Borehole No 1 Date Measurement Started AUGUST 27 1984
 Location Bray, Taiwan, P.R. CHINA Depth 65 m Stopped AUGUST 28 1984
 Owner MNR - ALL JAPAN ASSN. OF REPTILE SKIN & LEATHER Size 17 1/2"

Clock (time)	t (minutes)	t' (minutes)	t/t'	Water Level (meters)	Residual Drawdown RSD (meters)
3:30 pm	2880	0' 00"	-	23.90	20.30
		0' 40"		14.07	10.47
	2881	1' 00"	2881	11.36	7.76
	2882	2'	1441	8.15	4.52
	2883	3'	961	7.90	4.30
	2884	4'	721	7.71	4.11
	2885	5'	577	7.55	3.95
	86	6'	481	7.40	3.80
	87	7'	412	7.26	3.66
	88	8'	361	7.11	3.57
	89	9'	321	6.96	3.36
	2900	10'	289	6.8	3.21
	92	12'	241	6.67	3.07
	94	14'	207	6.53	2.93
	96	16'	181	6.37	2.79
	98	18'	161	6.25	2.65
	2900	20'	145	6.11	2.51
	02	22'	132	5.98	2.38
	04	24'	121	5.85	2.25
	06	26'	112	5.73	2.13
	08	28'	104	5.60	2.00
4:00	2910	30'	97	5.47	1.87
	15	35'	83	5.35	1.75
	20	40'	73	5.23	1.63
	25	45'	65	5.11	1.57
	2920	50'	59	5.00	1.40
	35	55'	53	4.91	1.31
4:30	40	60'	49	4.83	1.23
	05	65'	45	4.75	1.15
	50	70'	42	4.67	1.08

WELL RECOVERY DATA

Project _____ Borehole No _____ Date Measurement Started _____
 Location _____ Depth _____ Stopped _____
 Owner _____ Size _____

Clock (time)	t (minutes)	t'	t/t'	Water Level (meters)	Residual Drawdown RSD (meters)
	2955	75	39	4.61	1.01
	60	80	37	4.53	0.93
	65	85	35	4.47	0.87
5:00 pm	2970	90	33	4.41	0.81
	75	95	31	4.36	0.76
	80	100	30	4.31	0.71
	85	105	28	4.25	0.65
	90	110	27	4.20	0.60
	95	115	26	4.16	0.56
5:30	3000	120	25	4.12	0.52
	95	125	24	4.08	0.48
	10	130	23	4.04	0.44
	15	135	22	4.00	0.40
	20	140	21.6	3.96	0.36
	25	145	20.9	3.95	0.35
6:00	3030	150	20.2	3.94	0.34
	35	155	19.6	3.94	0.34
	40	160	19	3.93	0.33
	45	165	18.5	3.92	0.32
	50	170	17.9	3.91	0.31
	55	175	17.5	3.90	0.30
6:30	3060	180	17	3.89	0.29
	65	185	16.6	3.88	0.28
	70	190	16.2	3.86	0.26
	75	195	15.8	3.85	0.25
	80	200	15.4	3.83	0.23
	85	205	15	3.82	0.22
7:00	3090	210	14.7	3.80	0.20
7:30	120	240	13	3.71	0.11
8:00	150	270	11.7	3.67	0.07

> RECOVERY MEASUREMENTS COMPLETE <

Republic of the Philippines
 Ministry of Health
 Bureau of Research and Laboratories
 Manila
REPORT OF PHYSICAL AND CHEMICAL ANALYSIS

TO: ENGINEERING GEOSCIENCE INC.
LEGASPI VILLAGE

Date collected: 11-6-84 Time: 12:00 PM Date reported: 11-12-84
 Date submitted: 11-6-84 Time: 3:20 PM Laboratory No: 84-C-162
 Source: Deep Well, Irawan, Puerto Princesa City

Physical:	NSDW	PERMISSIBLE LIMITS	METHOD
Color.....	<u>0</u>	5 units.....	Platinum-Cobalt
Turbidity.....		5 units.....	Turbidimetric
Odor.....	<u>No Odor</u>	Unobjectionable....	Qualitative
Chemical:			
Alkalinity (as CaCO ₃).....	-	Indicator
To phenolphthalein.....		
Tomethyl orange.....	<u>248 mg/l</u>	
Acidity.....	<u>8.0 mg/l</u>	Titration
Chlorid.....	<u>6.0 mg/l</u>	200 mg/l.....	Argentometric
Total Hardness.....	<u>228 mg/l</u>	200 mg/l.....	EDTA Titration
Iron (Fe), Total.....	<u>7.7</u>	1.0 mg/l.....	Phenanthroline
pH.....	<u>7.6</u>	6.5-8.5.....	Glass Electrode
Total residue.....	<u>238 mg/l</u>	500 mg/l.....	Gravimetric
Fluoride (F).....		0.6 mg/l.....	Alizarin Photometric
Nitrite (NO ₂).....		nil.....	Diazotization
Residual chlorine.....		-.....	Orthotolidine
Calcium (Ca).....	<u>16.8 mg/l</u>	75 mg/l.....	EDTA-Titrimetric
Magnesium (mg).....	<u>45.4 mg/l</u>	50 mg/l.....	Calculation
Manganese (Mn).....	<u>0.05 mg/l</u>	0.5 mg/l.....	Persulfate
Sulfate (SO ₄).....		200 mg/l.....	Turbidimetric
Silica (SiO ₂).....		-.....	Molybdosilicate

NOTED: Ch. P. Garcia
 Chief, Environmental Health
 Exam. Section

W. M. Deluzman
 Analyst

VBS/loq
 11-8-83

*Spectrophotometer is out of order
 Iron analysis can not be performed.*

CLIENT: ENGINEERING GEOSCIENCES, INC.

LOCATION: IRAWAN, PUERTO PRINCESA

SAMPLE: WATER SAMPLE

TEST FOR TOTAL IRON

(Using 1, 10 Phenanthroline Method Hach Spectrophotometer)

Volume of Sample Tested 25 ml.

Reading in mg/l. 2.2

Total Iron Content = 2.2 mg/l.

Note:

Orange color developed after addition of Ferrover Iron Reagent. Positive indication of Iron in sample.

FROM:	
COMPUTER PRINT-OUT	<input type="checkbox"/>
MANUAL COMPUTATION	<input type="checkbox"/>
BY:	<i>Chayin</i>
QUALITY ASSURANCE CHRD BY:	<i>ATM</i>
DATE	10/18/84

PHILIPPINE
GEONALYTICS

JICA