

DIRECTION GENERALE DE L'HYDRAULIQUE

REPUBLIQUE CENTRAFRICAINE

Unité - Dignité - Travail

PROJET MISE EN VALEUR DU SECTEUR DE L'EAU
EN REPUBLIQUE CENTRAFRICAINE

FICHE DE FORAGE

Données Géographiques		Données de foration		Données de forage	
Préfecture de:.....		Appareil de Forage: <u>Sondeux Koka</u>		N° de Forage: <u>EW201</u>	
Sous/Préfecture de:.....		Poste de Travail n°: <u>2</u>		Débit Air lift:.....m3/h	
Commune de:.....		Chef de chantier: <u>LAVOU LÉON</u>		Débit d'essai:.....m3/h.	
Groupement de quartiers:.....		Date Début:...../...../19.....		N.S.....m3/h.	
Quartier:.....		Date Fin:...../...../19.....		N. Dynamique:.....m	
Coord. Géogr. LONG:..... LAT:..... ALT:.....				Transmissivité.....m2/s	

Ech. m	Coupe Technique	Géologie			Prof. N.S/V.E.	Observations
		Log	Niv	Lithologie		
1			4m	Argile (gris)		▽ 3,50 m Niveau statique
2			8m	Sable		→ Zones acquifères: - 21 - 26 m - 29 - 31 m
3			13m	Sable argileux (Jaune)		
4			16m	Gravier argileux (Jaune)		→ le flux d'eau sortant étant très important nous n'avons pas pu prendre le débit de Marteau mais nous estimons le débit à plus de 30 m³/R.
5			20,9m	Argile gravelasse	21m	
6			26m	Calcaire très fracturé	26m	
7			29m	Calcaire sain	29m	→ Il y a eu comblement de fond de 40 - 31,15 m occasionné par des éboulis de roche fracturée
8			31,15	Calcaire fracture	31,15m	→ les travaux ont été réalisés en deux phases - 04 - 18 septembre 1993 avec aboacda technique - 12 - 28 octobre 1993
9						
#			40			

Forage		Tube Provisoire		Tube d'équipement		Gravier annulaire		Autres renseignements	
Diam. de	à	Diam. de	à	Plein	Crépine	Calibre	2-7m	Hydrogéologue:	
12.1/2"	20,9m	10"	20,90/29,35	de	à	Vol. lin.	28 l/m	Date / / 19.....	
9.5/8"	40,00	8"		21m	26,15	Hauteur	7,15	Signature	
7.5/8"		7"		30,95	31,15	Quantité	690 l		
6.1/4"		Cimentation		de	à	de	19m	à 24m	



FICHE ANALYSE CHIMIQUE

N° : Enquêteur: BIDANA FABIEN Date (j/m/a):
 IRH: Laboratoire : AGH Heures (hh:mm) : 9h.40mn
 N° de forage : EW 20 Dates d'analyse : 5.11.198 - Temps de transport (h) :

I Localisation Géographique

Préfecture: S/Préfecture:
 Commune: BANGUI VILLE
 Village: 2° nom :
 Quartier : Ecole ST JEAN 2° nom :
 GPS¹ Longitude:°
 Latitude:°
 GPS Altimètre Autres
 Altitude:m

II Caractères organoleptiques

Goût : Goût forte Goût légère Sans goût
 Odeur : Forte odeur Légère odeur Sans odeur
 Aspect : Clair Trouble Particules en suspension

II Paramètres physiques

Température: 26 °C Turbidité: 0,5 NTU
 Ph: 7,91 Dureté Totale: 280 mg/l de CaCO₃
 Conductivité: 657 µs/cm Couleur: 2 PtCo
 T.D.S. / Rés. Sec: 217 mg/l

¹ Cocher case au cas affirmatif



IV Paramètres chimiques

Cations

Sodium: mg/l de Na⁺
 Potassium: mg/l de K⁺
 Magnésium: 30,8 mg/l de Mg⁺⁺
 Calcium: 62,4 mg/l de Ca⁺⁺
 Fer: 0,08 mg/l de Fe⁺⁺
 Ammonium: 0,43 mg/l de NH₄⁺
 Zinc: mg/l de Zn⁺⁺
 Manganèse: 0,4 mg/l de Mn⁺⁺
 Cuivre: 0,19 mg/l de Cu⁺⁺

Anions

Chlorure: 3,3 mg/l de Cl⁻
 Sulfate: 6,0 mg/l de SO₄²⁻
 Bicarbonate: 205,9 mg/l de HCO₃⁻
 Carbonate: mg/l de CO₃²⁻
 Nitrate: 9,3 mg/l de NO₃⁻
 Nitrite: 0,044 mg/l de NO₂⁻
 Phosphate: 0,36 mg/l de PO₄³⁻
 Fluor: mg/l de F⁻

Autres : -56 mV

Salinité totale: 0,8 % mg/l

Iode: 0,97 mg/l de I₂

Ammoniac: 0,40 mg/l de NH₃

V Analyses bactériologiques

Coliformes totaux: / 100ml

Streptocoques fécaux: / 100ml

Coliformes Fécaux: / 100ml

Clostridium sulfo-réducteur : / 100ml

Conclusion : Très bonne Bonne Acceptable Mauvaise

VI Observations générales de l'enquêteur / remarques supplémentaires

Cette Eau possède des caractéristiques organoleptiques acceptables. Le pH est basique et est acceptable pour l'eau de Boisson. Eau de Bonne minéralisation. Les valeurs de paramètres tels que NH₄⁺, NO₃⁻, PO₄³⁻ et Fe⁺⁺ sont acceptables. Les ions HCO₃⁻, Ca⁺⁺ et Mg⁺⁺ prédominent. Cette eau qui est moyennement dure.



**INSTITUT PASTEUR
DE BANGUI**

*Docteur Jacques M. MORVAN
Biologiste des Hôpitaux
Directeur*

LABORATOIRE D'ANALYSES MEDICALES

Nom : EAU FORAGE ST JEAN EW 20

Prélèvement n° : 42461N

Date du prélèvement : 12.11.1998

Médecin prescripteur : NP

ANALYSE BACTERIOLOGIQUE DE L'EAU

GERMES POUR 100 ml		ECH 1
Coliformes thermorésistants	>	200
Coliformes	>	200
Streptocoques Fécaux		0
Clostridium sulfite réducteur	>	200
Staphylocoques		
Bactéries aérobies totales 30°	>	10 000
Bactéries aérobies totales 37 °	>	10 000

CONCLUSION : EAU NON POTABLE

Docteur Jacques M. MORVAN

Biologiste des Hôpitaux

DRS

BRIEF REPORT ON THE PUMPING TEST WORKS ON THE SITE EW20

A/ Technical cross-section of the work

B/ Development

Development works lasted about 8 hours from November 4, 1998 to November 5, 1998 with the compressor PDS 125

NS (m)	ND (m)	S (m)	QAL
3.16	3.44	0.28	23.25

C/ PUMPING TEST

Six levels of the flow have been implemented. Each level lasted two hours and an one hour level savage. Works started from November 6, 1998 to November 9, 1998. The results are written on the following table.

C1/ CURVE OF FLOW/REDUCING : CRITICAL FLOW

The curve of flow/reducing presents two parts :

-Point A, corresponds to the critical flow $Q_c = 40,50 \text{ m}^3/\text{h}$ for a reducing $S = 1..38 \text{ m}$. This point is determined by the increasing of the slope of the curve. This flow cannot be used for true running forecasts.

- Point B, corresponds in abscis to the running flow depending on the accepted maximum reducing of 20.81 m.

C2/ DETERMINATION OF THE PRODUCTIVITY OF THE WORK MAXIMUM RUNNING FLOW

The productivity of the well Pr is determined by the maximum flow which can be pumped during a given period of time without the fact that the reducing introduced by the pumping exceeds the admitted maximum reducing $S_{max} = 0.75 \text{ h}$ with h water height before the pumping in the work in aquifer with captive sheet = $S_{max} < 20.81$. In the other hand, the maximum running flow can be superior to the critical flow only if the loss of the quadratic charge is not very higher than the loss of the linear charge.

$$Pr = QSX S_{max} = QMAX.$$

C3 CALCULATION OF THE LOSS OF THE CHARGE

The specific right flow reducing enables to determine the coefficient B and C of the equation $S = BQ = CQ^2$ with

$S = BQ$ is the loss of the linear charge

$S = CQ^2$ is the loss of the quadratic charge

$$S = 1,610^{-2} Q + 510^{-3} Q^2$$

The reducing determined now T, because of the loss of the linear charge due to the laminary flow of aquifer BC is given by the expression.

$$S = BQ = 1.6 \times 10^{-2} Q$$

The calculated values give the right $S = BQ = 1.6 \times 10^{-2} Q$ (see millimeter paper). for each flow, difference between the point of that right and that of the curve flows/reducing

located on the top, give the value of the quadratic charge loss CQ^2 . for example for a flow of $30 \text{ m}^3/\text{h}$ the linear charge loss is $0,48 \text{ m}$ of water height and the quadratic charge loss of $0,44 \text{ m}$. We can run the water sheet at a flow of $Q \text{ expl} = 45 \text{ m}^3/\text{h}$.

D/ LONG LENGTH PUMPING TEST

The long length pumping test started on November 10, 1998 and ended on November 12, 1998. The descent lasted 24 h and the ascent 24 h. We noted the stabilization during 4 hours. The results are written down in the following table.

DESCENT		ASCENT
NS (m)	3,40	3,40
ND (m)	4,83	3,53
S (m)	1,43	0,13 soit 4 % NS
QMON (m/h 35,00)		-
Transmissivity (m^2/day) 809,05		809,05

D1- DRAWING INTERPRETATION OF THE LONG LENGTH PUMPING

The resolution of logarithmic approximation expressions of CE jacob is obtained by the layout of the interpretation of the descent or residual reductions/logarithme of the periods of ascents.

$$\text{Descent : } S = \frac{0,183}{T} Q \log \frac{2,25}{x 2 S} TE$$

$$\text{Ascent : } S = \frac{0,183}{T} Q \log \frac{T x T}{T}$$

In the logarithmic approximation expression, the term Q is constant, T constants, in the second term only time change $\frac{T}{T} + T$. The reductions grow according to the logarithme of

the period of pumping. the obtained points draw the representative average right of jacob expression the observed curve at the beginning of the pumping translates the capability of the work causes a boiterous or linear flow. The cross-point of the representative right which the initial piezo level measure the untruth period to the origin T .

D2- C ALCULATION OF HYDRODYNAMICAL PARAMETERS TRANSMISSIVITY FOR THE DESCENT

$$T = \frac{0,183 \times Q}{C} = \frac{0,183 \times 35}{0,19} = 809,05 \text{ m}^2/\text{day}$$

D3- ANALYSES

Generally we estimate that an aquifer is very important to run if the transmissivity is at least equal to $150 \text{ m}^2/\text{day}$. Ours is $809,05 \text{ m}^2/\text{day}$. So our aquifer is very interesting to be run.

D4- PERMEABILITY

It is measured by the coefficient of permeability K (m/S)

$$T = KE \Rightarrow K = \frac{T}{E}$$

$$K = \frac{T}{E} \quad \begin{array}{l} K = \text{coef. permeability (m/s)} \\ T = \text{transmissivity in m}^2/\text{S} \\ E = \text{thickness of the aquifer layer in m.} \end{array}$$

Our aquifer has a "power" of $31.15 - 3.40 = 27.75$ m, the wet height of the land in a statical state.

$$\begin{aligned} E &= 27.75 \text{ m} \\ T &= 809.05 \text{ m}^2/\text{day} = 9.710 \text{ m}^3 \text{ m}^2/\text{S} \\ K &= \frac{9.7 \times 10^3 \text{ m}^2}{27.75 \text{ m} \times \text{S}} = 3.510^{-4} \text{ m/S} \end{aligned}$$

$$K = 3.510^{-4} \text{ m/S}$$

CONCLUSION

We have an aquifer which has a granulometry with a very good degree of permeability and a type of permeable formation.

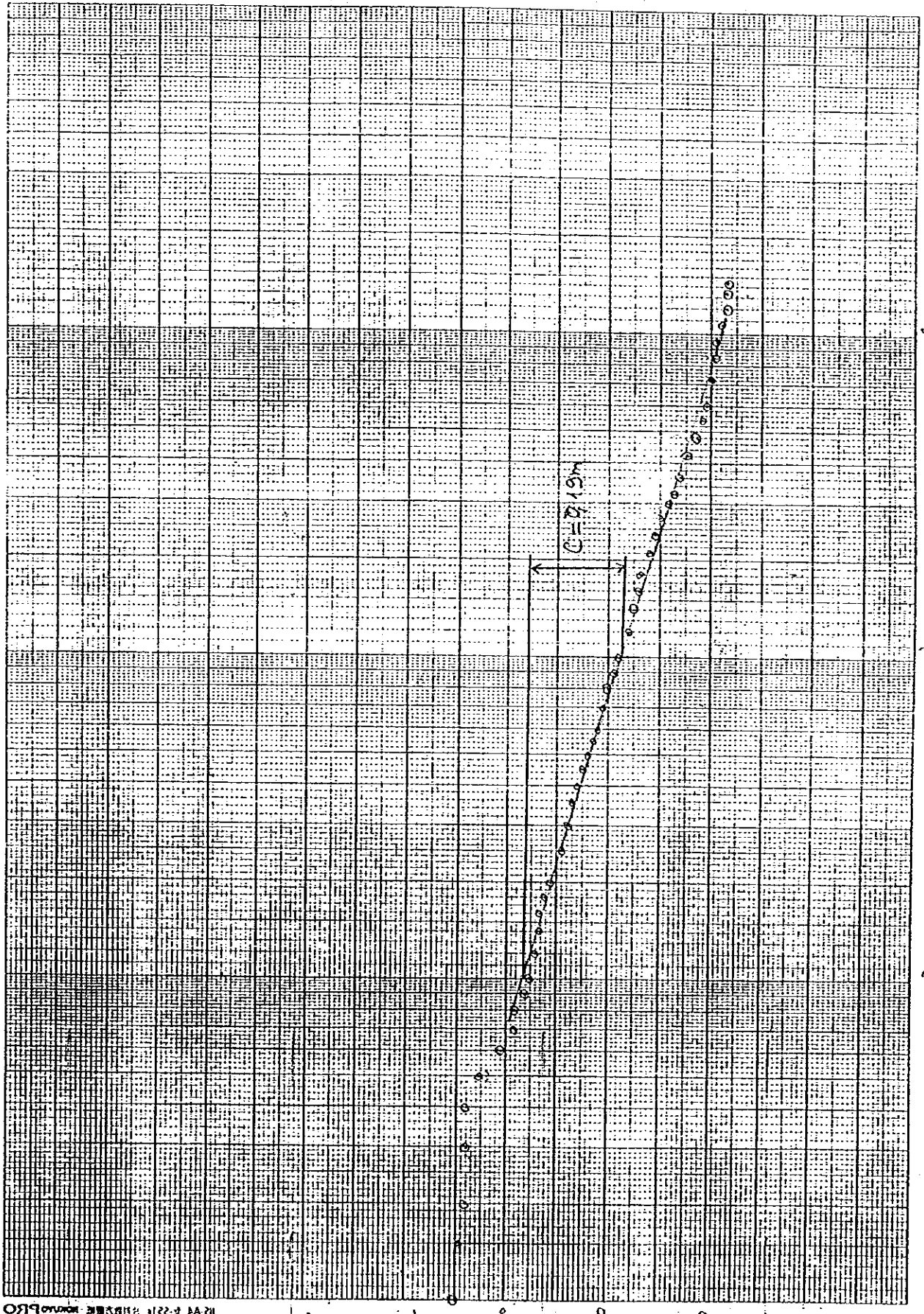
DIFFICULTIES WE MET ON THE SITE

basically the difficulties are related to equipments. The setting up of the second pumping team did not take into account suitable and necessary equipments for the progress of the works. The pick up car which is used to desserve the two sites is not suitable. There is only one hook truck for the two sites. In the other hand, casings for the works are too small and this makes the electric prob jam very often and always we need the help of he hook truck to withdraw. Once we got snuck in the mud until 7 Pm. The team B did its best to go home.

In spite of many demands to give the two teams a pick-up, the coordination of the project gave no answer. This fact does not help the progress of the works.

$T = 809,05 \text{ m}^2/\text{s} = 9,37 \times 10^6 \text{ m}^2/\text{s}$

COURBE DE LA DESCENTE



104
t (min)
min

10⁴

10²

10

ZW-20

1244 F-221 10/10/10

0.710

0.710

0.90

1.20

1.147

1.20

1.40

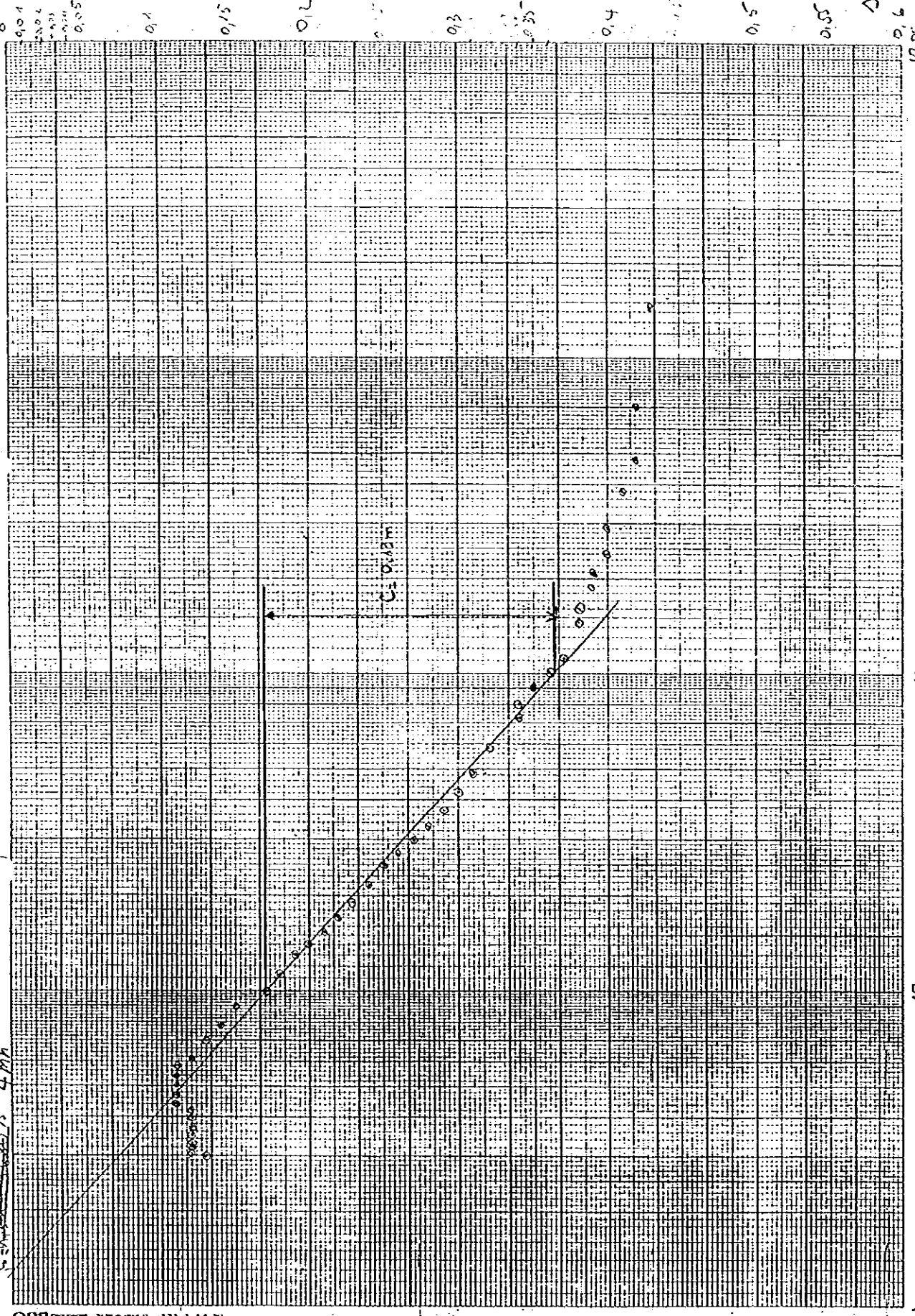
1.60

Z (m)

COURBE DE LA REMONTEE

$T = 809,05 \text{ m}^2/\text{s} = 3,5+10 \text{ m}^2/\text{s}$

$5 \text{ m}^2/\text{s} \rightarrow 4,680 \text{ s} \rightarrow 4 \text{ m}^2/\text{s}$



$\Delta(m)$

1000

100

10

EW-20

$1 + \frac{\Delta}{T}$

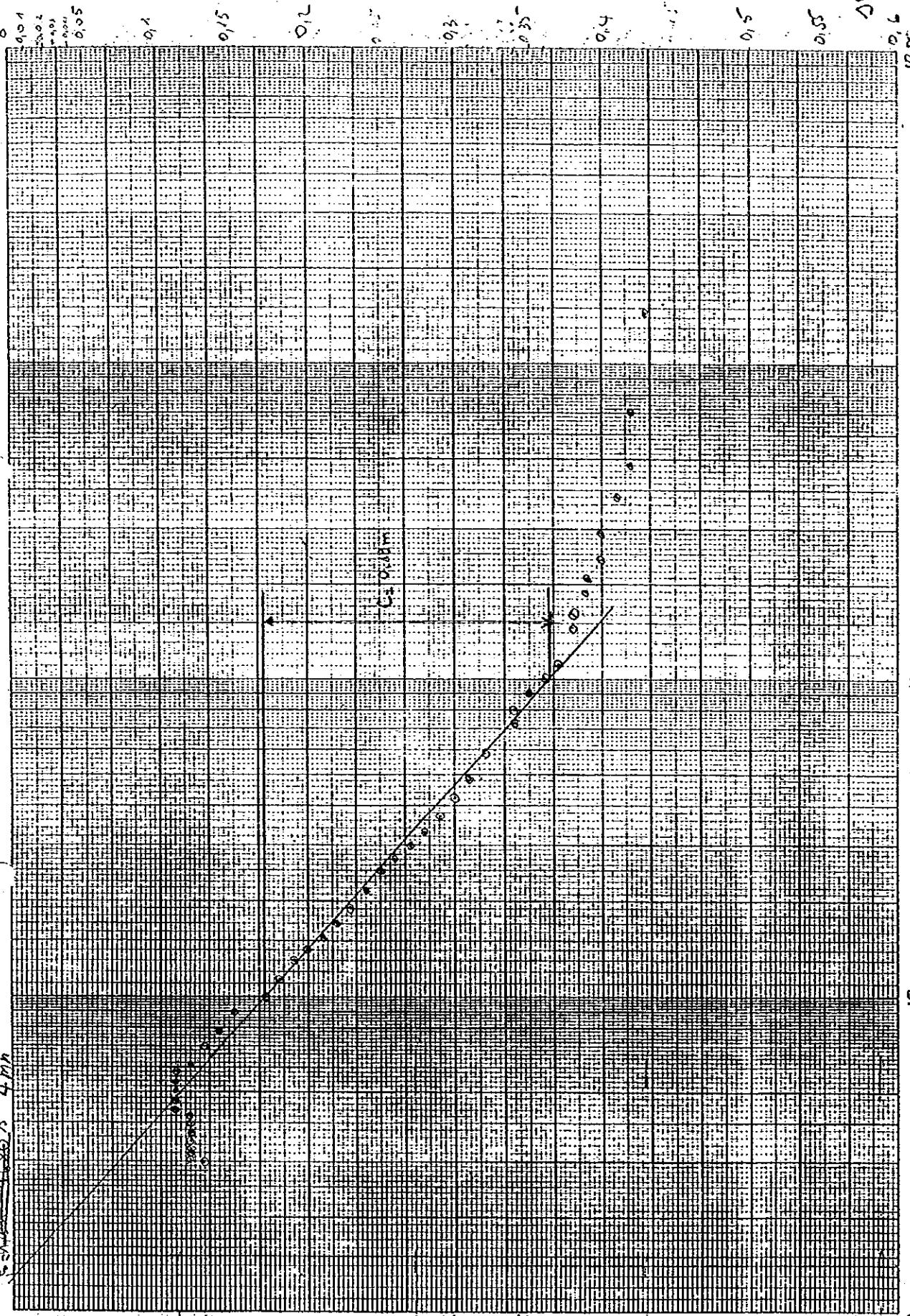
$\Delta(m)$

12-11 6-2211 KREYER KONNO PRO

COURBE DE LA REMONTEE

$T = 809,05 \text{ m}^2/\text{s} = 2,27 \times 10^4 \text{ m}^2/\text{s}$

~~5-10-2~~ 4600 4 m



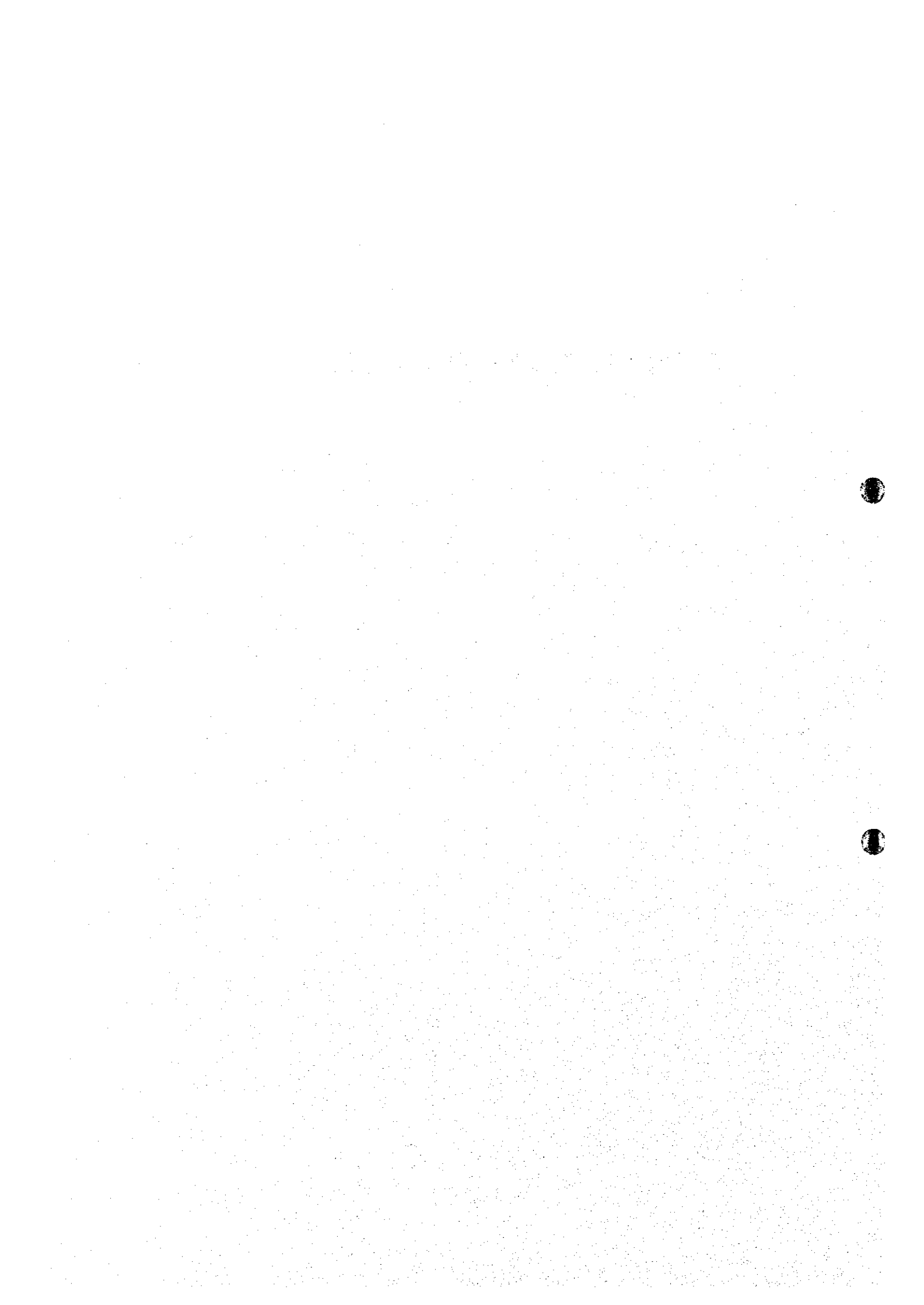
12 V 4 2211 R. B. P. B. R. O.

EW-20 10 100 1000
 $1 + \frac{t}{T}$
 t (minutes) min

2. WELL INVENTORY SHEETS

1

1



2. Well Inventory Sheets

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2. Well Inventory Sheets ----- 2-9

1. Summary Sheets

Survey Results of Shallow Wells

(1/3)

Well No.	Location	Latitude	Longitude	P/H (m)	G/L Alt. (m)	G/W Dep. (m)	G/W Alt. (m)	Mes. Date	Geology	Other W/S	Remarks
SW-1	BEGOUA	N4°27'22", E18°32'03"	0.3	397.0	8.81	388	16-4-96	Claystone	No	No	
SW-2	BEGOUA	N4°27'20", E18°32'06"	0.5	403.0	6.96	396	16-4-96	Claystone	No	No	
SW-3	GALABADVA III	N4°24'53", E18°32'32"	0.2	370.0	8.81	361	17-4-96	Claystone	No	No	
SW-4	PLATEAU	N4°21'45", E18°31'12"	0.5	374.0	>18.70	<354	29-4-96	Conglomerate	No	No	
SW-5	PLATEAU	N4°20'32", E18°31'21"	0.5	401.0	13.50	387	29-4-96	Claystone	No	near summit	
SW-6	BATALMON I	N4°19'58", E18°31'47"	0.45	355.0	10.28	345	29-4-96	Claystone	W. Kiosk		
SW-7	MPOKO BAC	N4°19'20", E18°32'13"	0.15	345.0	4.51	340	30-4-96	Claystone	No		
SW-8	BIMBO	N4°19'23", E18°31'38"	1.0	353.0	6.00	347	30-4-96	Claystone	W. Kiosk		
SW-9	PETEVO	N4°20'35", E18°32'38"	0.5	344.0	2.30	342	30-4-96	Claystone	W. Kiosk		
SW-10	NZANGOGNAN	N4°21'18", E18°32'15"	0.35	367.0	14.87	352	30-4-96	Claystone	W. Kiosk		
SW-11	FATIMA	N4°21'52", E18°32'09"	0.65	365.0	10.48	355	30-4-96	Conglomerate	W. Kiosk		
SW-12	KOKOLO	N4°22'01", E18°31'46"	0.00	359.0	5.20	354	30-4-96	Claystone	W. Kiosk		
SW-13	PELEMONGO	N4°21'54", E18°31'35"	0.63	362.0	8.08	354	30-4-96	Claystone	W. Kiosk		
SW-14	GUTANGOLA SOURCE	N4°21'29", E18°31'06"	0.37	361.0	8.85	352	30-4-96	Claystone	No		
SW-15	PLATEAU	N4°21'52", E18°30'46"	0.50	362.0	7.40	355	30-4-96	Claystone	No		
SW-16	PLATEAU	N4°21'48", E18°30'32"	0.75	373.0	17.28	356	30-4-96	Claystone	No		
SW-17	BABIRI	N4°21'54", E18°30'16"	0.23	361.0	7.67	353	30-4-96	Claystone	No		

P/H: Height of Casing Pipe, G/L Alt.: Altitude of Ground Level, G/W Dep.: Groundwater Depth, G/W Alt.: Altitude of Groundwater Level, Mes. Date: Date of Measurement.

Other W/S: Other Water Source, W. Kiosk: Water Kiosk

Survey Results of Shallow Wells

(2/3)

Well No.	Location	Latitude, Longitude	P/H (m)	G/L Alt. (m)	G/W Dep. (m)	G/W Alt. (m)	Mes. Date	Geology	Other W/S	Remarks
SW-18	BABIRI	N4°21'50", E18°29'55"	1.00	354.0	3.39	351	30-4-96	Claystone	No	
SW-19	FERMOMOLMANDON	N4°21'50", E18°29'55"	0.57	365.0	15.46	350	30-4-96	Claystone	No	
SW-20	NZONGO	N4°21'33", E18°29'03"	0.42	350.0	5.60	354	30-4-96	Claystone	No	
SW-21	GOTOMBO	N4°23'55", E18°34'03"	0.50	415.0	14.57	400	2-5-96	Conglomerate	W. Kiosk	
SW-22	MUSTAFA	N4°23'03", E18°22'40"	0.50	355.0	3.20	352	2-5-96	Soft Clay	W. Kiosk	
SW-23	KANGALA	N4°21'52", E18°33'02"	0.62	348.0	2.18	346	3-5-96	Soft Clay	W. Kiosk	behind the office
SW-24	BAKONGO	N4°21'47", E18°33'42"	0.40	345.0	0.76	344	3-5-96	Soft Clay	W. Kiosk	
SW-25	LAKOUANGA	N4°21'41", E18°31'04"	0.90	345.0	0.76	344	3-5-96	Soft Clay	W. Kiosk	
SW-26	SICA-ASSANA	N4°22'53", E18°34'12"	0.35	366.0	7.31	359	3-5-96	Claystone	W. Kiosk	
SW-27	NGOUCIMENTIN	N4°23'08", E18°32'57"	0.30	356.0	2.35	354	3-5-96	Soft Clay	W. Kiosk	
SW-28	KOLONGO	N4°23'10", E18°32'13"	0.70	358.0	3.36	355	3-5-96	Soft Clay	W. Kiosk	
SW-29	RAMANDOW	N4°23'10", E18°32'13"	0.53	355.0	1.74	353	3-5-96	Soft Clay	W. Kiosk	
SW-30	RUE de YAKITE	N4°22'20", E18°33'14"	0.85	350.0	1.95	348	3-5-96	Soft Clay	W. Kiosk	
SW-31	GALABADJA 3	N4°23'59", E18°32'33"	0.34	366.0	4.12	362	3-5-96	Soft Clay	W. Kiosk	near UCATEX
SW-32	COMBATANTS	N4°24'15", E18°32'04"	0.70	367.0	3.77	363	3-5-96	Soft Clay	W. Kiosk	
SW-33	DAMALA 1	N4°25'28", E18°31'58"	0.50	380.0	4.76	375	3-5-96	Claystone	No	on the ridge
SW-34	POTO POTO 2	N4°25'48", E18°32'52"	0.40	381.0	4.53	375	3-5-96	Claystone	W. Kiosk	on the ridge

P/H : Height of Casing Pipe, G/L Alt. : Altitude of Ground Level, G/W Dep. : Groundwater Depth, G/W Alt. : Altitude of Groundwater Level, Mes. Date : Date of Measurement,

Other W/S : Other Water Source, W. Kiosk : Water Kiosk

Survey Results of Shallow Wells

(3/3)

Well No.	Location	Latitude	Longitude	P/H (m)	G/L Alt. (m)	G/W Dep. (m)	G/W Alt. (m)	Mes. Date	Geology	Other W/S	Remarks
SW-35	MARCHE BETAI	N4°25'28"	E18°31'58"	0.47	386.0	12.58	373	3-5-'96	Conglomerate	No	
SW-36	BEGUA ASSAS BILO	N4°26'56"	E18°31'13"	0.40	365.0	1.50	363	3-5-'96	Soft Clay	No	Swampy area
SW-37	ECOLE SAINT JEAN	N4°21'25"	E18°33'12"	0.60	345.0	1.20	344	3-5-'96	Soft Clay	W. Kiosk	
SW-38	SAMBROLA	N4°19'17"	E18°31'00"	0.42	350.0	9.20	341	3-5-'96	Claystone	W. Kiosk	near SCB
SW-39	DAMALA 2	N4°24'57"	E18°31'29"	0.60	372.0	4.65	367	6-5-'96	Soft Clay	No	
SW-40	SAK PAMBORLA	N4°24'45"	E18°30'47"	0.30	367.0	2.83	364	6-5-'96	Soft Clay	No	beside Airport
SW-41	SAMBIA	N4°24'34"	E18°29'43"	1.00	358.0	4.54	353	6-5-'96	Soft Clay	No	beside Airport
SW-42	SAKAI II	N4°25'07"	E18°28'30"	0.40	363.0	9.68	353	6-5-'96	Claystone	No	RURAL AREA
SW-43	BOEING	N4°22'18"	E18°31'26"	0.50	355.0	0.50	354	6-5-'96	Soft Clay	W. Kiosk	beside Airport
SW-44	BOEING	N4°22'21"	E18°31'22"	0.70	356.0	0.71	355	6-5-'96	Soft Clay	W. Kiosk	beside Airport
SW-45	BOEING	N4°22'53"	E18°31'14"	0.44	358.0	1.49	357	6-5-'96	Soft Clay	No	beside Airport
SW-46	BOEING	N4°23'33"	E18°31'04"	0.90	362.0	2.25	360	6-5-'96	Soft Clay	No	beside Airport
SW-47	BOEING	N4°24'15"	E18°30'51"	0.60	364.0	3.83	360	6-5-'96	Soft Clay	No	beside Airport
SW-48	GOBONGO	N4°25'10"	E18°32'53"	0.80	402.0	17.53	384	6-5-'96	Conglomerate	W. Kiosk	
SW-49	LIPIA IV	N4°24'55"	E18°32'49"	0.60	399.0	16.96	382	6-5-'96	Conglomerate	W. Kiosk	
SW-50	LIPIA I	N4°23'51"	E18°33'22"	0.30	379.0	4.60	375	6-5-'96	Conglomerate	W. Kiosk	

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Other W/S : Other Water Source, W. Kiosk : Water Kiosk

Survey Results of Deep Wells

(1/3)

Measured in May, 1986

Well No.	Location	Latitude, Longitude	Comp. Year	Condition	Owner	Purpose	Serv. Popu.	D. Amount. (m ³ /day)	Depth (m)	St. GL (m)	Aquifer	Other W/S	S/C (m/day)	
1	BASE PK 4	N4°21'57", E18°32'58"	1987	Monitoring Well	D.G.Hydlc.	Monitoring	--	--	57.42	9.30	Chert	Tap water	8.5?	
2	ECOLE de POLICE	N4°26'03", E18°32'29"	1987	Working P/P	ECOLE de POLICE	Domestic	1,000	10 - 15	54.42	3.10	Schist	No	--	
3	RDOT I	(Not completed because of dry well)												
4	RDOT II	N4°26'36", E18°32'17"	1987	Working P/P	RDOT II	Domestic	5,000	45 - 50?	60.37	4.62	Schist	No	--	
5	PK 12 DISPI	(Not completed because of dry well)												
6	PK 12 DISP II	N4°27'15", E18°32'01"	1987	Working P/P	PK12 DISP II	Domestic	600 - 800	2 - 3	49.62	10.45	Schist	No	0.23	
7	Bangui PK 12	N4°26'53", E18°32'07"	1987	Working P/P	Community PK 12	Domestic	1,000 - 2,000	5 - 10	77.00	12.06	Schist	No	0.04	
8	Bangui BEGUA	N4°26'46", E18°31'41"	1987	Working P/P	Community BEGUA	Domestic	200	1.0 - 1.2	67.42	11.25	Schist	No	0.20	
9	ORSTOM	N4°26'06", E18°32'43"	1985	Working S/P	ORSTOM	For garden	No. Fe rich,	2 - 3	54.00	6	Cg.	Tap water	2.0	
10	BEGUA FNEC	N4°27'08", E18°31'12"	1989	Working P/P	BEGUA FNEC	Domestic	3,000	6 - 9	46.00	No data	Alt.	Shallow well	0.20	
11	Begua ASSAS-BILO	N4°26'58", E18°31'16"	1989	Working S/P	ASSAS BILO	For pigs	18 pigs	0.4	19.00	2.46	Alt.	Shallow well	--	
12	Bangui PK 12	N4°27'14", E18°31'53"	1995	Working P/P	BEGUA Primary School	Domestic	2,500	15 - 20	27.00	No data	Alt.	Shallow well	--	
13,14,15	Begua FNEC	(Not completed because of dry well)												
16	BEGUA PK12	N4°27'14", E18°32'07"	1987	Working P/P	Comnty. Begua Ceat. II	Domestic	400 - 600	2 - 3	64.00	No data	Schist	No	--	
17	Bangui BOY-RABE	N4°24'19", E18°34'04"	1987	Working P/P	Comnty. KAIMBA I	Domestic	3,000	9 - 12	23.00	12.00	Alt.	No	--	
18	Bangui KPETENE I	N4°24'19", E18°34'04"	1987	Abandoned	--	Domestic	--	--	21.00	9.00	Alt.	Water kiosk	--	
19	Bangui OBONGO	(Not completed because of dry well)												
20	Bangui GARABADJA 1	(Not completed because of dry well)												
21	Bangui GARABADJA 2	N4°24'14", E18°34'43"	1983	Abandoned	--	Domestic	--	--	21.00	9.00	Alt.	Shallow well	--	

Serv. Popu. : Served Population, D. Amount : Discharge amount, Other W/S : Other water source, S/C : Specific capacity, P/P : Pedal pump, S/P : Electric submergible pump,

H/P : Hand pump, Alt. : Alternation, Cg. : Conglomerate, Ls. : Limestone, Qtz. : Quartzite

Survey Results of Deep Wells

(2/3)

Measured in May, 1986

Well No.	Location	Latitude, Longitude	Comp. Year	Condition	Owner	Purpose	Serv. Popu.	D. Amount (m ³ /day)	Depth (m)	St. GL (m)	Aquifer	Other W/S	S/C (m ³ /day)
22	Bangui BOYRABE	N4°24'36", E18°33'56"	1988	Working, P/P	Comnty. KAIMBAI	Domestic	1,000	8 - 10	49.00	21.00	Alt.	Water kiosk	
23	Bangui KPETENE 2	N4°21'36", E18°32'38"	1987	Abandoned	-	Domestic	--	--	21.00	10.00	Alt.	Water kiosk	
24	Bangui KPETENE 3	N4°21'43", E18°33'03"	1986	Abandoned	-	Domestic	--	--	35.00	11.00	Alt.	Water kiosk	
25	Bangui GARABA	N4°22'32", E18°36'05"	1987	Under repair, P/P	Comnty. GARABA	Domestic	1,000	3	55.00	11.00	Qtz.	Water kiosk	
26	Bangui KASAI	N4°22'01", E18°36'18"	1987	Under repair, P/P	Comnty. KASAI	Domestic	2,000	6 - 10	42.00	13.00	Qtz.	Water kiosk	
27	Bangui GOLOPA	(Not completed because of poor water quality)											
28	Bangui BANGOUMA	(Not completed because of dry well)											
29, 30	Gabacoula, Gbakouata	(Outside of Bangui City)											
31	Bangui BAFFIO	N4°24'15", E18°33'51"	1987	Working, P/P	Comnty. SEWA	Domestic	2,000	10 - 12	36.00	17.00	Alt.	Water kiosk	
32	Bangui MANDABA	N4°24'13", E18°34'02"	1987	Abandoned in 1983 (pump trouble)		Domestic	--	--	35.00	22.00	Qtz.	Water kiosk	
33	Bangui LEON GUOAC	(Not completed because of dry well)											
34	Bangui FOYER CHARITE	N4°21'58", E18°31'15"	1990	Under repair, SP	Foyer Charite	Hospital	110	10	69.00	13.00	LS.	Tap water	
35	Bangui ALMA PK 10	N4°25'50", E18°32'42"	1986	Working, S/P	Alima	Domestic	1 house	3	75.00	18.00	Cg	Tap water	
36	Bimbo SEMINAIRE	N4°20'11", E18°31'56"	1986	Working, S/P	Catholic church	Church	80	2 - 3	75.00	13.00	Alt.	Tap water	
37	Bimbo COMBONJEN	N4°20'32", E18°31'51"	1986	Working, S/P	Catholic church	Dormitory	16	1 - 2	45.00	21.00	Alt.	Tap water	
38	Bangui CATTIN	N4°22'08", E18°31'38"	1987	Abandoned	Bangui Cattin	Workshop	--	--	201.00	20.00	LS.	Tap water	
39	Bangui GONGORO I	(Not completed because of dry well, not found)											
40	Bangui GONGORO II	(Not completed because of dry well, not found)											
41	UCATEX I	N4°24'05", E18°32'32"	1987	Under repair, SP	UCATEX	Textile facto.	--	--	156.00	27.00	LS.	Tap water	

Serv. Popu. : Served Population, D. Amount : Discharge amount, Other W/S : Other water source, S/C : Specific capacity, P/P : Pedal pump, S/P : Electric submersible pump,

H/P : Hand pump, Alt. : Alternation, Cg : Conglomerate, LS. : Limestone, Qtz. : Quartzite

Survey Results of Deep Wells

(3/3)

Measured in May, 1996

Well No.	Location	Latitude, Longitude	Comp. Year	Present Condition	Owner	Purpose	Serv. Popu.	D. Amont. (m ³ /day)	Depth (m)	St. GL. (m)	Aquifer	Other W/S	S/C (m ³ /day)
42	UCATEX II	N4°24'05", E18°32'32"	1987	Working/S/P	UCATEX	Textile facto.	--	0.5	171.00	28.00	Ls.	Tap water	--
43	UCATEX III	N4°24'05", E18°32'32"	1987	Abandoned	UCATEX	Textile facto.	--	--	152.00	5.30	Ls.	Tap water	--
44	Bangui SCB I	N4°19'15", E18°30'57"	1987	Abandoned	Castel/Mocaf	Beverage facto.	--	--	37.00	8.59	Cg.	Tap water	--
45	Bangui SCB II	N4°19'15", E18°30'57"	1987	Abandoned	Castel/Mocaf	Beverage facto.	--	--	53.00	--	Cg.	Tap water	--
46	Bangui SCB III	N4°19'15", E18°30'57"	1987	Working/S/P	Castel/Mocaf	Beverage facto.	--	500	41.00	6.67	Cg.	Tap water	7.2
47	Bangui UNICEF	N4°22'02", E18°35'02"	1990	Working/H/P	UNICEF	Demonstration	--	--	37.08	10.35	Cg.	Tap water	--
---	SEGA NGOLA	N4°26'10", E18°31'18"	1991	Working/S/P	SEGANCOLA	Butchery	--	7	--	3.20	Alt.	Shallow well	19.7
---	EDOUARD FRANCK	N4°22'02", E18°34'58"	1991	Working/P/P	E. FRANCK	Domestic	12	0.05	33.52	13.00	Bedrock	Tap water	--
---	Embassy of JAPAN	N4°21'52", E18°33'46"	1992	Working/S/P	E.O.J.	Emergency	--	--	28.00	2.23	Cg.	Tap water	93.6
---	Uango PATA	(Not completed because of dry well, not found)											
---	Uango DISPENSAIRE	(Not completed because of dry well)											
---	Bangui GUITANGOLAI	N4°20'48", E18°31'55"	1990	Abandoned	--	Domestic	--	--	45.00	5.00	Ls.	Shallow well	--
---	GOTOMBO	N4°24'16", E18°34'28"	1991	Working/P/P	Forma BENAM	Domestic	500-600	3	63.62	5.80	Bedrock	Shallow well	--
---	Marboua I	N4°26'50", E18°32'15"	1990	not completed	--	Domestic	--	--	19.50	--	Alt.	Tap water	--
---	Matarnite Begua I	N4°27'03", E18°32'08"	1987	not completed	--	Domestic	--	--	55.00	--	Schist	Water kiosk	--
---	Matarnite Begua II	N4°27'04", E18°32'05"	1987	not completed	--	Domestic	--	--	67.42	11.00	Schist	Water kiosk	--

Serv. Popu.: Served Population, D. Amont.: Discharge amount, Other W/S: Other water source, S/C: Specific capacity, P/P: Pedal pump, S/P: Electric submergible pump, H/P: Hand pump, E.O.J.: Embassy of JAPAN, Alt.: Alternation, Cg.: Conglomerate, Ls.: Limestone, Qtz.: Quartzite, facto.: factory

2. Well Inventory Sheets

WELL SURVEY SHEET

Date-Month-Year of Survey : 24-4-'96

1. Well No. : 1 (number shown in the well inventory sheet of Bangui city)
2. Location Name : BASE PK4 BANGUI, in the office of Direction Generale de L'Hydraulique
3. Latitude : N 4° 21' 56" Longitude : E 18° 32' 58"

4. Present Condition : Not working, Monitoring well
5. Well Owner : Direction Generale de L'Hydraulique
6. Well Completion Year : 1989
7. Purpose of Water Use : Monitoring well
8. Other Water Source : SODECA water supplied

9. Served Population and Households : --
10. Water Consumption Rate per Capita : --
11. Daily Discharge Amount : Not used
12. Working Hour per Day: -- min. / day
13. Working Days : --
14. Pump Type :

15. Organization for Well Maintenance : Direction Generale de L'Hydraulique
16. Water Tariff : --
17. Use of Collected Tariff : --
18. Frequency of Pump Trouble : --
19. Cost for Repair of Pump : --
20. Revenue for Repair : --

21. Static Groundwater Depth : 9.30m (measured in 21-8-'89)
22. Total Depth of the Well : 57.42m
23. Aquifer Type : Chert or Quartzite (depth = 50m, thickness = 7.42m)
24. Hydraulic Properties : Specific capacity = 8.3 m² / hour ? (too large)
25. Water Quality : --
26. Suitability as Monitoring Well : Automatic groundwater level recorder is equipped.
The measurement has been continued for three years.

Other Information :

WELL SURVEY SHEET

Date-Month-Year of Survey : 16-4-'96

1. Well No. : 2 (number shown in the well inventory sheet of Bangui city)
2. Location Name : ECOLE de POLICE
3. Latitude : N 4° 26' 03" Longitude :E 18° 32' 29"

4. Present Condition : Working
5. Well Owner : ECOLE de POLICE
6. Well Completion Year : 1987
7. Purpose of Water Use : ECOLE de POLICE and domestic use
8. Other Water Source : No

9. Served Population and Households : 1,000 persons, 100 households
10. Water Consumption Rate per Capita : 10-15 lit. / day
11. Daily Discharge Amount : 10 - 15 m³ / day
12. Working Hour per Day: 24 hours / day
13. Working Days : 7 days / week or month or year
14. Pump Type : Pedal pump

15. Organization for Well Maintenance : ECOLE de POLICE
16. Water Tariff : Free
17. Use of Collected Tariff : --
18. Frequency of Pump Trouble : No answer
19. Cost for Repair of Pump : No answer
20. Revenue for Repair : ECOLE de POLICE

21. Static Groundwater Depth : 3.1 m (measured in Nov.,1987)
22. Total Depth of the Well : 54.42m
23. Aquifer Type : Schist (depth = 41.00m, thickness = 13.42m)
24. Hydraulic Properties :
25. Water Quality : Little turbid after rain
26. Suitability as Monitoring Well : Not suitable

Other Information :

WELL SURVEY SHEET

Date-Month-Year of Survey : 24-4-'96

1. Well No. : 3 (number shown in the well inventory sheet of Bangui city)
2. Location Name : RDOT I, Location is not clear because the well is not found.
3. Latitude : N ° ' ' ' Longitude : E ° ' ' '

4. Present Condition : Not completed because of dry well, not found

5. Well Owner : RDOT I

6. Well Completion Year : 1987

7. Purpose of Water Use : Domestic ?

8. Other Water Source : Shallow well

9. Served Population and Households : --

10. Water Consumption Rate per Capita : --

11. Daily Discharge Amount : -- m³ / day

12. Working Hour per Day: -- min. / day

13. Working Days : --

14. Pump Type : --

15. Organization for Well Maintenance : --

16. Water Tariff : --

17. Use of Collected Tariff : --

18. Frequency of Pump Trouble : --

19. Cost for Repair of Pump : --

20. Revenue for Repair : --

21. Static Groundwater Depth : 12.00m

22. Total Depth of the Well : 53.54m

23. Aquifer Type : Schist (depth = 42.00m, thickness = 11,54m)

24. Hydraulic Properties : --

25. Water Quality : --

26. Suitability as Monitoring Well : Not found

Other Information :

WELL SURVEY SHEET

Date-Month-Year of Survey : 16-4-'96

1. Well No. : 4 (number shown in the well inventory sheet of Bangui city)
2. Location Name : Bangui RDOT II
3. Latitude : N 4° 26' 36" Longitude :E 18° 32' 17"

4. Present Condition : Working
5. Well Owner : RDOT II
6. Well Completion Year : 1987
7. Purpose of Water Use : Domestic use
8. Other Water Source : No

9. Served Population and Households : 5,000 persons, 500 households (doubtful ?)
10. Water Consumption Rate per Capita : 9 -10 lit. / day
11. Daily Discharge Amount : 45 - 50 m³ / day (doubtful ?)
12. Working Hour per Day: 8.5 hours / day
13. Working Days : 7 days / week or month or year
14. Pump Type : Pedal pump

15. Organization for Well Maintenance : RDOT II
16. Water Tariff : Free
17. Use of Collected Tariff : --
18. Frequency of Pump Trouble : No answer
19. Cost for Repair of Pump : No answer
20. Revenue for Repair : RDOT II

21. Static Groundwater Depth : 4.62 m (measured in Sept.,1987)
22. Total Depth of the Well : 60.37m
23. Aquifer Type : Schist (depth = 49.50m, thickness = 10.87m)
24. Hydraulic Properties :
25. Water Quality : Little turbid after rain
26. Suitability as Monitoring Well : Not suitable

Other Information :

WELL SURVEY SHEET

Date-Month-Year of Survey : 24-4-'96

1. Well No. : 5 (number shown in the well inventory sheet of Bangui city)

2. Location Name : Bangui PK 12 DISP I,

Location is not clear because the well is not found.

3. Latitude : N ° ' '' Longitude : E ° ' ''

4. Present Condition : Not completed because of dry well, not found

5. Well Owner : RDOT I

6. Well Completion Year : 1987

7. Purpose of Water Use : Domestic ?

8. Other Water Source : Shallow well

9. Served Population and Households : --

10. Water Consumption Rate per Capita : --

11. Daily Discharge Amount : -- m³ / day

12. Working Hour per Day: -- min. / day

13. Working Days : --

14. Pump Type : --

15. Organization for Well Maintenance : --

16. Water Tariff : --

17. Use of Collected Tariff : --

18. Frequency of Pump Trouble : --

19. Cost for Repair of Pump : --

20. Revenue for Repair : --

21. Static Groundwater Depth : No data

22. Total Depth of the Well : 68.00m

23. Aquifer Type : Schist (depth, thickness -- No data)

24. Hydraulic Properties : --

25. Water Quality : --

26. Suitability as Monitoring Well : Not found

Other Information :

WELL SURVEY SHEET

Date-Month-Year of Survey : 16-4-'96

1. Well No. : 6 (number shown in the well inventory sheet of Bangui city)
2. Location Name : Bangui PK 12 DISP II (hospital)
3. Latitude : N 4° 27' 15" Longitude : E 18° 32' 01"

4. Present Condition : Working
5. Well Owner : Community PK 12 DISP II
6. Well Completion Year : 1987
7. Purpose of Water Use : Domestic use
8. Other Water Source : No

9. Served Population and Households : 600 - 800 persons, 60 - 80 households
10. Water Consumption Rate per Capita : 3 - 4 lit. / day
11. Daily Discharge Amount : 2 - 3 m³ / day
12. Working Hour per Day: 14 hours / day
13. Working Days : 7 days / week or month or year
14. Pump Type : Pedal pump

15. Organization for Well Maintenance : Community PK 12 DISP II
16. Water Tariff : Free
17. Use of Collected Tariff : --
18. Frequency of Pump Trouble : 3 - 4 times / year
19. Cost for Repair of Pump : CFA 15,000
20. Revenue for Repair : Community collects fee from inhabitants in case of repair.

21. Static Groundwater Depth : 10.45 m (measured in Sept., 1987)
22. Total Depth of the Well : 49.62m
23. Aquifer Type : Schist (depth = 36.00m, thickness = 13.62m)
24. Hydraulic Properties : Specific capacity = 0.228 m² / hour
25. Water Quality : Good
26. Suitability as Monitoring Well : Not suitable

Other Information :

Maximum distance of water conveyance is approx. 2.0 Km.

WELL SURVEY SHEET

Date-Month-Year of Survey : 16-4-'96

1. Well No. : 7 (number shown in the well inventory sheet of Bangui city)

2. Location Name : Bangui PK 12

3. Latitude : N 4° 26' 53" Longitude : E 18° 32' 07"

4. Present Condition : Working

5. Well Owner : Community Bangui PK 12

6. Well Completion Year : 1987

7. Purpose of Water Use : Domestic use

8. Other Water Source : No

9. Served Population and Households : 1,000 - 2,000 persons, 100 - 200 households

10. Water Consumption Rate per Capita : 5 - 6 lit. / day

11. Daily Discharge Amount : 5 - 10 m³ / day

12. Working Hour per Day: 15 hours / day

13. Working Days : 7 days / week or month or year

14. Pump Type : Pedal pump

15. Organization for Well Maintenance : Community Bangui PK 12

16. Water Tariff : Free

17. Use of Collected Tariff : --

18. Frequency of Pump Trouble : No answer

19. Cost for Repair of Pump : No answer

20. Revenue for Repair : No answer

21. Static Groundwater Depth : 12.06 m . (measured in May, 1987)

22. Total Depth of the Well : 77.00m

23. Aquifer Type : Schist (depth = 40.00m, thickness = 37.00m)

24. Hydraulic Properties : Specific capacity = 0.04 m² / hour

25. Water Quality : Good

26. Suitability as Monitoring Well : Not suitable

Other Information :

Maximum distance of water conveyance is approx. 1.5 Km.

WELL SURVEY SHEET

Date-Month-Year of Survey : 16-4-'96

1. Well No. : 8 (number shown in the well inventory sheet of Bangui city)

2. Location Name : Bangui BEGUA

3. Latitude : N 4° 26' 46" Longitude :E 18° 31' 41"

4. Present Condition : Working

5. Well Owner : Community Begua

6. Well Completion Year : 1987

7. Purpose of Water Use : Domestic use

8. Other Water Source : No

9. Served Population and Households : 200 persons, 20 households

10. Water Consumption Rate per Capita : 5 - 6 lit. / day

11. Daily Discharge Amount : 1.0 - 1.2 m³ / day

12. Working Hour per Day: 14 hours / day

13. Working Days : 7 days / week or month or year

14. Pump Type : Pedal pump

15. Organization for Well Maintenance : Community Begua

16. Water Tariff : Free

17. Use of Collected Tariff : --

18. Frequency of Pump Trouble : No answer

19. Cost for Repair of Pump : No answer

20. Revenue for Repair : No answer

21. Static Groundwater Depth : 11.25 m (measured in May, 1987)

22. Total Depth of the Well : 67.42m

23. Aquifer Type : Schist (depth = 52.50m, thickness = 14.92m)

24. Hydraulic Properties : Specific capacity = 0.2 m² / hour

25. Water Quality : Little turbid after rain

26. Suitability as Monitoring Well : Not suitable

Other Information : Well manager--Mrs. Tina

WELL SURVEY SHEET

Date-Month-Year of Survey : 16-4-'96

1. Well No. : 9 (number shown in the well inventory sheet of Bangui city)

2. Location Name : Bangui ORSTOM

3. Latitude : N ° ' '' Longitude : E ° ' ''

4. Present Condition : Working

5. Well Owner : ORSTOM

6. Well Completion Year : 1985

7. Purpose of Water Use : Water feed for garden

8. Other Water Source : SODECA water house connected

9. Served Population and Households : --

10. Water Consumption Rate per Capita : --

11. Daily Discharge Amount : Around 2 - 3 m³ / day

12. Working Hour per Day: No answer

13. Working Days : No answer

14. Pump Type : Electric submergible pump

15. Organization for Well Maintenance : ORSTOM

16. Water Tariff : --

17. Use of Collected Tariff : --

18. Frequency of Pump Trouble : 1 time / 5 years

19. Cost for Repair of Pump : No answer

20. Revenue for Repair : ORSTOM

21. Static Groundwater Depth : July '85 --- 9.10 m, Oct. '85 --- 3.15 m

22. Total Depth of the Well : 54.00m

23. Aquifer Type : Conglomerate (depth = 40.00m, thickness = 14.00m)

24. Hydraulic Properties : T = 108.921 m² / day, Specific capacity = 48.4 m² / day

25. Water Quality : Fe rich, not applicable for potable use

26. Suitability as Monitoring Well : Not suitable

Other Information :

WELL SURVEY SHEET

Date-Month-Year of Survey : 23-4-'96

1. Well No. : 10 (number shown in the well inventory sheet of Bangui city)
2. Location Name : Begua FNEC
3. Latitude : N 4° 27' 8" Longitude :E 18° 31' 12"

4. Present Condition : Working
5. Well Owner : Fedaration Nationale des Eleveurs Centrafricains (FNEC)
6. Well Completion Year : 1989
7. Purpose of Water Use : Domestic use
8. Other Water Source : Shallow well

9. Served Population and Households : 3,000 persons, 300 households
10. Water Consumption Rate per Capita : 2 - 3 lit. / day
11. Daily Discharge Amount : 6 - 9 m³ / day
12. Working Hour per Day: 13 hours / day
13. Working Days : 7 days / week or month or year
14. Pump Type : Pedal pump

15. Organization for Well Maintenance : Community Begua FNEC
16. Water Tariff : Free
17. Use of Collected Tariff : --
18. Frequency of Pump Trouble : 1 time / 3 years
19. Cost for Repair of Pump : CFA 30,000
20. Revenue for Repair : Community collects the repair cost from inhabitants.

21. Static Groundwater Depth : No data
22. Total Depth of the Well : 46.00m
23. Aquifer Type : Alternation (depth = 46.00m, thickness = 46.00m)
24. Hydraulic Properties : Specific capacity = 0.2 m² / hour
25. Water Quality : Good
26. Suitability as Monitoring Well : Not suitable

Other Information :

WELL SURVEY SHEET

Date-Month-Year of Survey : 23-4-'96

1. Well No. : 11 (number shown in the well inventory sheet of Bangui city)
2. Location Name : Begua ASSAS BILO
3. Latitude : N 4° 26' 58" Longitude :E 18° 31' 16"

4. Present Condition : Working
5. Well Owner : Ferma BOKAMBA (private well)
6. Well Completion Year : 1989
7. Purpose of Water Use : For pig farm
8. Other Water Source : Shallow well

9. Served Population and Households : 18 pigs
10. Water Consumption Rate per Capita : 20 lit. / day
11. Daily Discharge Amount : 0.4 m³ / day
12. Working Hour per Day: 5 - 7 minutes / day
13. Working Days : 7 days / week or month or year
14. Pump Type : Electric submergible pump

15. Organization for Well Maintenance : Ferma BOKAMBA
16. Water Tariff : --
17. Use of Collected Tariff : --
18. Frequency of Pump Trouble : No answer
19. Cost for Repair of Pump : --
20. Revenue for Repair : Ferma BOKAMBA

21. Static Groundwater Depth : 2,46m (measured on 23 - 4 - '96)
22. Total Depth of the Well : 19.00m
23. Aquifer Type : Alternation (depth = 19.00m, thickness = 19.00m)
24. Hydraulic Properties : --
25. Water Quality : NO good, only for pigs
26. Suitability as Monitoring Well : Suitable

Other Information :

WELL SURVEY SHEET

Date-Month-Year of Survey : 23-4-'96

1. Well No. : 12 (number shown in the well inventory sheet of Bangui city)

2. Location Name : Bangui PK 12

3. Latitude : N 4° 27' 14" Longitude :E 18° 31' 53"

4. Present Condition : Working

5. Well Owner : Begua primary school

6. Well Completion Year : 1995 (JICA)

7. Purpose of Water Use : Domestic use

8. Other Water Source : Shallow well

9. Served Population and Households : 2,500 persons, 100 households and one school

10. Water Consumption Rate per Capita : 5 - 6 lit. / day

11. Daily Discharge Amount : 15 - 20 m³ / day

12. Working Hour per Day: 8 hours / day

13. Working Days : 7 days / week or month or year

14. Pump Type : Pedal pump

15. Organization for Well Maintenance : Begua primary school

16. Water Tariff : Free

17. Use of Collected Tariff : --

18. Frequency of Pump Trouble : No trouble so far

19. Cost for Repair of Pump : --

20. Revenue for Repair : Begua primary school will pay.

21. Static Groundwater Depth : No data

22. Total Depth of the Well : 27.00m

23. Aquifer Type : Alternation (depth = 27.00m, thickness = 27.00m)

24. Hydraulic Properties : --

25. Water Quality : Good

26. Suitability as Monitoring Well : Not suitable

Other Information : SODECA water pipeline has been constructed.

WELL SURVEY SHEET

Date-Month-Year of Survey : 23-4-'96

1. Well No. : 13, 14, 15 (number shown in the well inventory sheet of Bangui city)
2. Location Name : Begua FNEC
3. Latitude : N ° ' '' Longitude : E ° ' '' , Not found

4. Present Condition : Dry wells, not completed
5. Well Owner : Fedaration Nationale des Eleveurs Centrafricains (FNEC)
6. Well Completion Year : 1989
7. Purpose of Water Use : --
8. Other Water Source : --

9. Served Population and Households : --
10. Water Consumption Rate per Capita : --
11. Daily Discharge Amount : -- m³ / day
12. Working Hour per Day: -- hours / day
13. Working Days : -- days / week or month or year
14. Pump Type : --

15. Organization for Well Maintenance : --
16. Water Tariff : --
17. Use of Collected Tariff : --
18. Frequency of Pump Trouble : --
19. Cost for Repair of Pump : --
20. Revenue for Repair : --

21. Static Groundwater Depth : No data
22. Total Depth of the Well : No.13--46 m, No.14--62 m, No.15--118m
23. Aquifer Type : Alternation (depth = --m, thickness = --m)
24. Hydraulic Properties : --
25. Water Quality : --
26. Suitability as Monitoring Well : Not suitable

Other Information :

WELL SURVEY SHEET

Date-Month-Year of Survey : 16-4-'96

1. Well No. : 16 (number shown in the well inventory sheet of Bangui city)
2. Location Name : Bangui PK 12 (near well No. 6)
3. Latitude : N 4° 27' 14" Longitude :E 18° 32' 07"

4. Present Condition : Working
5. Well Owner : Community Begua Central II
6. Well Completion Year : 1987
7. Purpose of Water Use : Domestic use
8. Other Water Source : No

9. Served Population and Households : 400 - 600 persons, 40 - 60 households
10. Water Consumption Rate per Capita : 4 - 5 lit. / day
11. Daily Discharge Amount : 2 - 3 m³ / day
12. Working Hour per Day: 14 hours / day
13. Working Days : 7 days / week or month or year
14. Pump Type : Pedal pump

15. Organization for Well Maintenance : Community Begua Central II
16. Water Tariff : Free
17. Use of Collected Tariff : --
18. Frequency of Pump Trouble : 1 - 2 times / year
19. Cost for Repair of Pump : CFA 5,000 -12,000
20. Revenue for Repair : Community collects fee from inhabitants when pump is trouble.

21. Static Groundwater Depth : Unknown
22. Total Depth of the Well : 64.00m
23. Aquifer Type : Schist (depth = 50.00m, thickness = 14.00m)
24. Hydraulic Properties :
25. Water Quality : Turbid after rain
26. Suitability as Monitoring Well : Not suitable

Other Information :

Maximum distance of water conveyance is approx. 1.0 Km.

WELL SURVEY SHEET

Date-Month-Year of Survey : 16-4-'96

1. Well No. : 17 (number shown in the well inventory sheet of Bangui city)
2. Location Name : Bangui BOY-RABE
3. Latitude : N 4° 24' 19" Longitude : E 18° 34' 04"

4. Present Condition : Working
5. Well Owner : Community KAIMBA I
6. Well Completion Year : 1987
7. Purpose of Water Use : Domestic use
8. Other Water Source : SODECA water kiosk

9. Served Population and Households : 3,000 persons, 300 households
10. Water Consumption Rate per Capita : 3 - 4 lit. / day
11. Daily Discharge Amount : 9 - 12 m³ / day
12. Working Hour per Day: 14.5 hours / day
13. Working Days : 7 days / week or month or year
14. Pump Type : Pedal pump

15. Organization for Well Maintenance : Community KAIMBA I
16. Water Tariff : CFA 10.0 / 10 lit
17. Use of Collected Tariff : Salary for well keepers (2 persons), repair of pump
18. Frequency of Pump Trouble : 10 times / year
19. Cost for Repair of Pump : CFA 15,000 -20,000
20. Revenue for Repair : Collected water tariff. Community collects fee from inhabitants
in case of shortage of fund .

21. Static Groundwater Depth : 12.00 (measured in '87)
22. Total Depth of the Well : 23.00m
23. Aquifer Type : Alternation (depth = 23.00m, thickness = 23.00m)
24. Hydraulic Properties :
25. Water Quality : Good
26. Suitability as Monitoring Well : Not suitable

- Other Information : Chief of Community is Mr. ADMA,

WELL SURVEY SHEET

Date-Month-Year of Survey : 17-4-'96

1. Well No. : 18 (number shown in the well inventory sheet of Bangui city)
2. Location Name : Bangui KPETENE 1
3. Latitude : N 4° 21' 43" Longitude :E 18° 32' 51"
4. Present Condition : Abandoned because of pump trouble in 1993
5. Well Owner : Former community KPETENE 1
6. Well Completion Year : 1983 ?
7. Purpose of Water Use : Used for domestic use
8. Substitute Water Source : SODECA water kiosk and house connection
9. Served Population and Households : No answer
10. Water Consumption Rate per Capita : No answer
11. Daily Discharge Amount : No answer
12. Working Hour per Day: No answer
13. Working Days : No answer
14. Pump Type : It was pedal pump
15. Organization for Well Maintenance : Former community KPETENE 1
16. Water Tariff : No answer
17. Use of Collected Tariff : --
18. Frequency of Pump Trouble : No answer
19. Cost for Repair of Pump : No answer
20. Revenue for Repair : No answer
21. Static Groundwater Depth : 9.00m (measured in '83 ?)
22. Total Depth of the Well : 21.00m
23. Aquifer Type : Alternation (depth = 21.00m, thickness = 21.00m)
24. Hydraulic Properties :
25. Water Quality : No answer
26. Suitability as Monitoring Well : Not suitable, broken pump installed

Other Information : Inhabitants do not feel any inconvenience because SODECA water is supplied.

WELL SURVEY SHEET

Date-Month-Year of Survey : 24-4-'96

1. Well No. :19 (number shown in the well inventory sheet of Bangui city)

2. Location Name : Bangui OBONGO

3. Latitude : N 4° 25' 15" Longitude :E 18° 32' 51"

4. Present Condition : Not completed because of dry well

5. Well Owner : --

6. Well Completion Year : 1986

7. Purpose of Water Use : Domestic use

8. Other Water Source : SODECA water kiosk and shallow well

9. Served Population and Households : --

10. Water Consumption Rate per Capita : --

11. Daily Discharge Amount : --

12. Working Hour per Day : --

13. Working Days : --

14. Pump Type : --

15. Organization for Well Maintenance : --

16. Water Tariff : --

17. Use of Collected Tariff : --

18. Frequency of Pump Trouble : --

19. Cost for Repair of Pump : --

20. Revenue for Repair : --

21. Static Groundwater Depth : 20.00m (measured in '86)

22. Total Depth of the Well : 30.00m

23. Aquifer Type : Alternation

24. Hydraulic Properties :

25. Water Quality : No data

26. Suitability as Monitoring Well : Not suitable, filled with garbage

Other Information :

WELL SURVEY SHEET

Date-Month-Year of Survey : 17-4-'96

1. Well No. : 20 (number shown in the well inventory sheet of Bangui city)
2. Location Name : Bangui GARABADJA 1
3. Latitude : N 4° 23' 45" Longitude :E 18° 32' 40"

4. Present Condition : Not completed because of low productivity
5. Well Owner : --
6. Well drilled Year : 1983
7. Purpose of Water Use : Planned for domestic use
8. Substitute Water Source : Shallow well

9. Planned Served Population and Households : No data
10. Water Consumption Rate per Capita : No data
11. Daily Discharge Amount : --
12. Working Hour per Day: --
13. Working Days : --
14. Pump Type : --

15. Organization for Well Maintenance : --
16. Water Tariff : --
17. Use of Collected Tariff : --
18. Frequency of Pump Trouble : --
19. Cost for Repair of Pump : --
20. Revenue for Repair : --

21. Static Groundwater Depth : 13.00m (measured in '83)
22. Total Depth of the Well : 36.00m
23. Aquifer Type : Alternation (depth = 36.00m, thickness = 36.00m)
24. Hydraulic Properties :
25. Water Quality : No data
26. Suitability as Monitoring Well : Not found

Other Information :

WELL SURVEY SHEET

Date-Month-Year of Survey : 17-4-'96

1. Well No. : 21 (number shown in the well inventory sheet of Bangui city)
2. Location Name : Bangui GARABADJA 2
3. Latitude : N 4° 24' 14" Longitude :E 18° 32' 43"

4. Present Condition : Abandoned because of pump trouble in 1991
5. Well Owner : --
6. Well Completion Year : 1983
7. Purpose of Water Use : Used for domestic use
8. Substitute Water Source : Shallow well

9. Served Population and Households : No answer
10. Water Consumption Rate per Capita : No answer
11. Daily Discharge Amount : No answer
12. Working Hour per Day: No answer
13. Working Days : No answer
14. Pump Type : It was pedal pump

15. Organization for Well Maintenance : It was Community GARABADJA 2
16. Water Tariff : No answer
17. Use of Collected Tariff : --
18. Frequency of Pump Trouble : No answer
19. Cost for Repair of Pump : No answer
20. Revenue for Repair : No answer

21. Static Groundwater Depth : 9.00m (measured in '83)
22. Total Depth of the Well : 21.00m
23. Aquifer Type : Alternation (depth = 21.00m, thickness = 21.00m)
24. Hydraulic Properties :
25. Water Quality : No answer
26. Suitability as Monitoring Well : Not suitable, filled up

Other Information :

WELL SURVEY SHEET

Date-Month-Year of Survey : 16-4-'96

1. Well No. : 22 (number shown in the well inventory sheet of Bangui city)
2. Location Name : Bangui BOY-RABE
3. Latitude : N 4° 24' 36" Longitude :E 18° 33' 56"

4. Present Condition : Working
5. Well Owner : Community KAIMBA II
6. Well Completion Year : 1988
7. Purpose of Water Use : Domestic use
8. Other Water Source : SODECA water kiosk

9. Served Population and Households : 1,000 persons, 100 households
10. Water Consumption Rate per Capita : 8 - 10 lit. / day
11. Daily Discharge Amount : 8 - 10 m³ / day
12. Working Hour per Day: 14.5 hours / day
13. Working Days : 7 days / week or month or year
14. Pump Type : Pedal pump

15. Organization for Well Maintenance : Community KAIMBA II
16. Water Tariff : CFA 10.0 / 10 lit
17. Use of Collected Tariff : Salary for well keepers (2 persons), repair of pump
18. Frequency of Pump Trouble : 8 - 10 times / year
19. Cost for Repair of Pump : CFA 15,000 -20,000
20. Revenue for Repair : Collected water tariff. Community collects fee from inhabitants
in case of shortage of fund .

21. Static Groundwater Depth : 21.00 (measured in '88)
22. Total Depth of the Well : 49.00m
23. Aquifer Type : Alternation (depth = 49.00m, thickness = 49.00m)
24. Hydraulic Properties :
25. Water Quality : Good
26. Suitability as Monitoring Well : Not suitable

- Other Information : Maximum distance of water conveyance is approx. 600m.

WELL SURVEY SHEET

Date-Month-Year of Survey : 17-4-'96

1. Well No. : 23 (number shown in the well inventory sheet of Bangui city)

2. Location Name : Bangui KPETENE 2

3. Latitude : N 4° 21' 35" Longitude : E 18° 32' 38"

4. Present Condition : Abandoned because of pump trouble in 1992

5. Well Owner : Former community KPETENE 2, now no community

6. Well Completion Year : 1987

7. Purpose of Water Use : Used for domestic use

8. Substitute Water Source : SODECA water kiosk and house connection

9. Served Population and Households : No answer

10. Water Consumption Rate per Capita : No answer

11. Daily Discharge Amount : No answer

12. Working Hour per Day: No answer

13. Working Days : No answer

14. Pump Type : It was pedal pump

15. Organization for Well Maintenance : Former community KPETENE 2

16. Water Tariff : No answer

17. Use of Collected Tariff : --

18. Frequency of Pump Trouble : No answer

19. Cost for Repair of Pump : No answer

20. Revenue for Repair : No answer

21. Static Groundwater Depth : 10.00m (measured in '83 ?)

22. Total Depth of the Well : 21.00m

23. Aquifer Type : Alternation (depth = 21.00m, thickness = 21.00m)

24. Hydraulic Properties :

25. Water Quality : No answer

26. Suitability as Monitoring Well : Not suitable, broken pump installed

Other Information : Inhabitants do not feel any inconvenience because SODECA
water is supplied.

WELL SURVEY SHEET

Date-Month-Year of Survey : 25-4-'96

1. Well No. : 24 (number shown in the well inventory sheet of Bangui city)
2. Location Name : Bangui KPETENE 3
3. Latitude : N 4° 21' 43" Longitude : E 18° 33' 03"

4. Present Condition : Abandoned because of pump trouble in 1991
5. Well Owner : --
6. Well Completion Year : 1986
7. Purpose of Water Use : Used for domestic use
8. Substitute Water Source : SODECA water kiosk

9. Served Population and Households : No answer
10. Water Consumption Rate per Capita : No answer
11. Daily Discharge Amount : No answer
12. Working Hour per Day: No answer
13. Working Days : No answer
14. Pump Type : It was pedal pump

15. Organization for Well Maintenance : It was Community KPETENE 3.
16. Water Tariff : No answer
17. Use of Collected Tariff : --
18. Frequency of Pump Trouble : No answer
19. Cost for Repair of Pump : No answer
20. Revenue for Repair : No answer

21. Static Groundwater Depth : 11.00m (measured in '87)
22. Total Depth of the Well : 35.00m
23. Aquifer Type : Alternation (depth = 35.00m, thickness = 35.00m)
24. Hydraulic Properties :
25. Water Quality : It was good.
26. Suitability as Monitoring Well : Not suitable, filled up

Other Information : Alluvium (pale gray soft silt) distributed

WELL SURVEY SHEET

Date-Month-Year of Survey : 2-5-'96

1. Well No. : 25 (number shown in the well inventory sheet of Bangui city)
2. Location Name : Bangui GARABA
3. Latitude : N 4° 22' 32" Longitude :E 18° 36' 05"

4. Present Condition : Not working because of pump trouble since Aug. 1995
5. Well Owner : Community GARABA
6. Well Completion Year : 1984
7. Purpose of Water Use : Domestic use
8. Other Water Source : SODECA water kiosk

9. Served Population and Households : 1,000 persons, 100 households
10. Water Consumption Rate per Capita : 3 lit. / day
11. Daily Discharge Amount : 3 m³ / day
12. Working Hour per Day: 11 hours / day
13. Working Days : 7 days / week or month or year
14. Pump Type : Pedal pump

15. Organization for Well Maintenance : Community GARABA
16. Water Tariff : Free
17. Use of Collected Tariff : --
18. Frequency of Pump Trouble : one time / year
19. Cost for Repair of Pump : CFA15,000
20. Revenue for Repair : Community collects fee from inhabitants in case of trouble.

21. Static Groundwater Depth : 11.00 m (measured in 1984)
22. Total Depth of the Well : 55.00m
23. Aquifer Type : Quartzite (depth = 50.00m, thickness = 5.00m)
24. Hydraulic Properties :
25. Water Quality : Good
26. Suitability as Monitoring Well : Not suitable

Other Information : Pump repair has not been decided because of lack of finance,
inhabitants purchase water from SODECA water kiosk.

WELL SURVEY SHEET

Date-Month-Year of Survey : 2-5-'96

1. Well No. : 26 (number shown in the well inventory sheet of Bangui city)

2. Location Name : Bangui KASAI

3. Latitude : N 4° 22' 01" Longitude :E 18° 36' 18"

4. Present Condition : Not working because of pump trouble before 1 year

5. Well Owner : Community KASAI

6. Well Completion Year : 1984

7. Purpose of Water Use : Domestic use

8. Other Water Source : SODECA water kiosk

9. Served Population and Households : 2,000 persons, 200 households

10. Water Consumption Rate per Capita : 3 - 5 lit. / day

11. Daily Discharge Amount : 6 - 10 m³ / day

12. Working Hour per Day: 13.5 hours / day

13. Working Days : 7 days / week or month or year

14. Pump Type : Hand pump (Indian Mark II)

15. Organization for Well Maintenance : Community KASAI

16. Water Tariff : Free

17. Use of Collected Tariff : --

18. Frequency of Pump Trouble : 1 time / 3 years

19. Cost for Repair of Pump : CFA 30,000 - 50,000

20. Revenue for Repair : Community collects fee from inhabitants in case of repair.

21. Static Groundwater Depth : 13.00 m (measured in 1984)

22. Total Depth of the Well : 42.00m

23. Aquifer Type : Quartzite (depth = 36.00m, thickness = 6.00m)

24. Hydraulic Properties :

25. Water Quality : Good

26. Suitability as Monitoring Well : Not suitable

Other Information : Spare parts of Indian Mark II are presently not available in Bangui.

WELL SURVEY SHEET

Date-Month-Year of Survey : 2-5-'96

1. Well No. : 27 (number shown in the well inventory sheet of Bangui city)
2. Location Name : Bangui GOLOPA
3. Latitude : N 4° 22' 37" Longitude :E 18° 36' 45"

4. Present Condition : Not completed because of poor quality of groundwater
5. Well Owner : --
6. Well Completion Year : 1984
7. Purpose of Water Use : --
8. Other Water Source : SODECA water kiosk

9. Served Population and Households : --
10. Water Consumption Rate per Capita : --
11. Daily Discharge Amount : -- m³ / day
12. Working Hour per Day: --
13. Working Days : --
14. Pump Type : --

15. Organization for Well Maintenance : --
16. Water Tariff : --
17. Use of Collected Tariff : --
18. Frequency of Pump Trouble : --
19. Cost for Repair of Pump : --
20. Revenue for Repair : --

21. Static Groundwater Depth : 10.00m (measured in 1984)
22. Total Depth of the Well : 27.00m
23. Aquifer Type : Alternation (depth = 27.00m, thickness = 27.00m)
24. Hydraulic Properties :
25. Water Quality : Poor
26. Suitability as Monitoring Well : Suitable but locked, Sangha Forages may have key.

Other Information :
Maximum distance of water conveyance is approx. 1.0 Km.

WELL SURVEY SHEET

Date-Month-Year of Survey : 2-5-'96

1. Well No. : 28 (number shown in the well inventory sheet of Bangui city)
2. Location Name : Bangui BANGOUMA
3. Latitude : N 4° 22'05 " Longitude :E 18° 37' 12"

4. Present Condition : Dry well, not completed
5. Well Owner : --
6. Year of Well Drilled : 1984
7. Purpose of Water Use : Domestic
8. Other Water Source : SODECA water kiosk

9. Served Population and Households : --
10. Water Consumption Rate per Capita : --
11. Daily Discharge Amount : Around -- m³ / day
12. Working Hour per Day: --
13. Working Days : --
14. Pump Type : --

15. Organization for Well Maintenance : --
16. Water Tariff : --
17. Use of Collected Tariff : --
18. Frequency of Pump Trouble : --
19. Cost for Repair of Pump : --
20. Revenue for Repair : --

21. Static Groundwater Depth : 8.0 m (measured in 1984)
22. Total Depth of the Well : 22.00m
23. Aquifer Type : Alternation (depth = 22.00m, thickness = 22.00m)
24. Hydraulic Properties : --
25. Water Quality : --
26. Suitability as Monitoring Well : Suitable, but opening tool is needed because well head is firmly closed with screw cap.

Other Information :

WELL SURVEY SHEET

Date-Month-Year of Survey : 2-5-'96

1. Well No. : 29, 30 (Number shown in the well inventory sheet of Bangui city)
2. Location Name : 29 -- Bangui GBADOUKA, 30 -- Bangui GBAKOUATA
3. Location : Both wells located out of study area, around 6 km east from block 7.

4. Present Condition : --

5. Well Owner : --

6. Well Completion Year : --

7. Purpose of Water Use : for farming

8. Other Water Source : --

9. Served Population and Households : --

10. Water Consumption Rate per Capita : --

11. Daily Discharge Amount : --

12. Working Hour per Day: --

13. Working Days : --

14. Pump Type : --

15. Organization for Well Maintenance : --

16. Water Tariff : --

17. Use of Collected Tariff : --

18. Frequency of Pump Trouble : --

19. Cost for Repair of Pump : --

20. Revenue for Repair : --

21. Static Groundwater Depth : --

22. Total Depth of the Well : --

23. Aquifer Type : No data

24. Hydraulic Properties :

25. Water Quality : No data

26. Suitability as Monitoring Well : Not suitable, apart far from the study area

Other Information :

WELL SURVEY SHEET

Date-Month-Year of Survey : 25-4-'96

1. Well No. : 31 (number shown in the well inventory sheet of Bangui city)
2. Location Name : Bangui BAFFIO
3. Latitude : N 4° 24' 15" Longitude :E 18° 33' 51"

4. Present Condition : Working
5. Well Owner : Community SEWA
6. Well Completion Year : 1987
7. Purpose of Water Use : Domestic use
8. Other Water Source : SODECA water kiosk

9. Served Population and Households : 2,000 persons, 200 households
10. Water Consumption Rate per Capita : 5 - 6 lit. / day
11. Daily Discharge Amount : 10 - 12 m³ / day
12. Working Hour per Day: 15 hours / day
13. Working Days : 7 days / week or month or year
14. Pump Type : Pedal pump

15. Organization for Well Maintenance : Community SEWA
16. Water Tariff : CFA 5.0 / 10 lit
17. Use of Collected Tariff : Salary for well keepers (2 persons), repair of pump
18. Frequency of Pump Trouble : 3 times / year
19. Cost for Repair of Pump : CFA 15,000 -50,000
20. Revenue for Repair : Collected water tariff. Community collects fee from inhabitants in case of shortage of fund .

21. Static Groundwater Depth : 17.00 (measured in '87)
22. Total Depth of the Well : 36.00m
23. Aquifer Type : Alternation (depth = 36.00m, thickness = 36.00m), Conglomerate ?
24. Hydraulic Properties :
25. Water Quality : Good
26. Suitability as Monitoring Well : Not suitable

Other Information :

WELL SURVEY SHEET

Date-Month-Year of Survey : 25-4-'96

1. Well No. : 32 (number shown in the well inventory sheet of Bangui city)

2. Location Name : Bangui MANDABA

3. Latitude : N 4° 24' 13" Longitude :E 18° 34' 02"

4. Present Condition : Abandoned because of pump trouble in 1993

5. Well Owner : --

6. Well Completion Year : 1987

7. Purpose of Water Use : Used for domestic use

8. Substitute Water Source : SODECA water kiosk

9. Served Population and Households : No answer

10. Water Consumption Rate per Capita : No answer

11. Daily Discharge Amount : No answer

12. Working Hour per Day: No answer

13. Working Days : No answer

14. Pump Type : It was pedal pump

15. Organization for Well Maintenance : It was Community MANDABA

16. Water Tariff : No answer

17. Use of Collected Tariff : --

18. Frequency of Pump Trouble : No answer

19. Cost for Repair of Pump : No answer

20. Revenue for Repair : No answer

21. Static Groundwater Depth : 22.00m (measured in '87)

22. Total Depth of the Well : 35.00m

23. Aquifer Type : Quarzite (depth = 17.00m, thickness = 18.00m)

24. Hydraulic Properties :

25. Water Quality : It was good.

26. Suitability as Monitoring Well : Not suitable, filled up

Other Information :

WELL SURVEY SHEET

Date-Month-Year of Survey : 24-4-'96

1. Well No. : 33 (number shown in the well inventory sheet of Bangui city)

2. Location Name : Bangui LEON GIUDAIC

Location is not clear because the well is not found.

3. Latitude : N ° ' ' ' ' Longitude : E ° ' ' ' ' "

4. Present Condition : Not completed because of dry well, not found

5. Well Owner : LEON GIUDAIC

6. Well Completion Year : Unknown

7. Purpose of Water Use : Domestic ?

8. Other Water Source : Shallow well

9. Served Population and Households : --

10. Water Consumption Rate per Capita : --

11. Daily Discharge Amount : -- m³ / day

12. Working Hour per Day: -- min. / day

13. Working Days : --

14. Pump Type : --

15. Organization for Well Maintenance : --

16. Water Tariff : --

17. Use of Collected Tariff : --

18. Frequency of Pump Trouble : --

19. Cost for Repair of Pump : --

20. Revenue for Repair : --

21. Static Groundwater Depth : 58.00m ?

22. Total Depth of the Well : 84.00m

23. Aquifer Type : Alternation

24. Hydraulic Properties : --

25. Water Quality : --

26. Suitability as Monitoring Well : Not found

Other Information :

WELL SURVEY SHEET

Date-Month-Year of Survey : 29-4-'96

1. Well No. : 34 (number shown in the well inventory sheet of Bangui city)
2. Location Name : Bangui FOYER CHARITE
3. Latitude : N 4° 21' 58" Longitude :E 18° 31' 15"

4. Present Condition : Working, but pump is under repair before one month
5. Well Owner : FOYER CHARITE
6. Well Completion Year : 1990
7. Purpose of Water Use : Church and hospital
8. Other Water Source : SODECA water connected

9. Served Population and Households : 110 persons
10. Water Consumption Rate per Capita : 70-150 lit. / day
11. Daily Discharge Amount : 10 m³ / day
12. Working Hour per Day: -- hours / day, unknown
13. Working Days : 7 days / week or month or year
14. Pump Type : Electric submersible pump

15. Organization for Well Maintenance : FOYER CHARITE
16. Water Tariff : --
17. Use of Collected Tariff : --
18. Frequency of Pump Trouble : No answer
19. Cost for Repair of Pump : No answer
20. Revenue for Repair : FOYER CHARITE

21. Static Groundwater Depth : 13.00 m (measured in 1990)
22. Total Depth of the Well : 69.00m
23. Aquifer Type : Limestone (depth = 49.00m, thickness = 20.00m)
24. Hydraulic Properties :
25. Water Quality : Good
26. Suitability as Monitoring Well : Not suitable

Other Information : Groundwater is stored in two 5m³ tanks with automatic pump.

WELL SURVEY SHEET

Date-Month-Year of Survey : 24-4-'96

1. Well No. : 35 (number shown in the well inventory sheet of Bangui city)
2. Location Name : Bangui ALIMA, PK 10
3. Latitude : N 4° 25' 50" Longitude :E 18° 32' 42"

4. Present Condition : Working
5. Well Owner : ALIMA
6. Well Completion Year : 1986
7. Purpose of Water Use : Domestic use, only for washing and gardening
8. Other Water Source : SODECA water supplied

9. Served Population and Households : --
10. Water Consumption Rate per Capita : --
11. Daily Discharge Amount : 3m³ / day
12. Working Hour per Day: 25 min. / day
13. Working Days : Everyday
14. Pump Type : Electric submergible pump

15. Organization for Well Maintenance : ALIMA
16. Water Tariff : --
17. Use of Collected Tariff : --
18. Frequency of Pump Trouble : --
19. Cost for Repair of Pump : --
20. Revenue for Repair : --

21. Static Groundwater Depth : 18.00m (measured in '86)
22. Total Depth of the Well : 75.00m
23. Aquifer Type : Conglomerate / Pelite (depth = 43m, thickness = 32m)
24. Hydraulic Properties :
25. Water Quality : Fe rich, unsuitable for potable use
26. Suitability as Monitoring Well : Not suitable

Other Information :

WELL SURVEY SHEET

Date-Month-Year of Survey : 25-4-'96

1. Well No. : 36 (number shown in the well inventory sheet of Bangui city)
2. Location Name : Bimbo SEMINAIRE
3. Latitude : N 4° 20' 11" Longitude :E 18° 31' 56"

4. Present Condition : Working
5. Well Owner : Bimbo SEMINAIRE (Catholic church)
6. Well Completion Year : 1986
7. Purpose of Water Use : Domestic use for church, for gardening, not for potable
8. Other Water Source : SODECA water is tapped.

9. Served Population and Households : 80 persons
10. Water Consumption Rate per Capita : 30 lit. / day
11. Daily Discharge Amount : 2 - 3 m³ / day
12. Working Hour per Day: -- minutes / day, unknown, automatic starter
13. Working Days : 7 days / week or month or year
14. Pump Type : Electric submergible pump

15. Organization for Well Maintenance : Bimbo SEMINAIRE
16. Water Tariff : --
17. Use of Collected Tariff : --
18. Frequency of Pump Trouble : No answer
19. Cost for Repair of Pump : --
20. Revenue for Repair : Bimbo SEMINAIRE

21. Static Groundwater Depth : 13.00m (measured in '86)
22. Total Depth of the Well : 75.00m
23. Aquifer Type : Alternation (depth = 75.00m, thickness = 75.00m)
24. Hydraulic Properties : --
25. Water Quality : Not good, only for shower, washing, gardening and so on
26. Suitability as Monitoring Well : Not suitable

Other Information : Discharged groundwater is stored in 10 m³ water tank.
Pump is equipped with automatic starter and stopper.

WELL SURVEY SHEET

Date-Month-Year of Survey : 25-4-'96

1. Well No. : 37 (number shown in the well inventory sheet of Bangui city)
2. Location Name : Bimbo COMBONIEN
3. Latitude : N 4° 20' 32" Longitude :E 18° 31' 51"

4. Present Condition : Working
5. Well Owner : Bimbo COMBONIEN (Catholic church dormitory)
6. Well Completion Year : 1986
7. Purpose of Water Use : Domestic use for dormitory, for gardening, not for potable
8. Other Water Source : SODECA water is tapped.

9. Served Population and Households : 16 persons
10. Water Consumption Rate per Capita : 70 lit. / day
11. Daily Discharge Amount : 1 - 2 m³ / day
12. Working Hour per Day: -- minutes / day, unknown, automatic starter
13. Working Days : 7 days / week or month or year
14. Pump Type : Electric submergible pump

15. Organization for Well Maintenance : Bimbo COMBONIEN
16. Water Tariff : --
17. Use of Collected Tariff : --
18. Frequency of Pump Trouble : No answer
19. Cost for Repair of Pump : --
20. Revenue for Repair : Bimbo COMBONIEN

21. Static Groundwater Depth : 21.00m (measured in '86)
22. Total Depth of the Well : 45.00m
23. Aquifer Type : Alternation (depth = 45.00m, thickness = 45.00m) .
24. Hydraulic Properties : --
25. Water Quality : Not good, only for shower, washing, gardening and so on, rich in Fe
26. Suitability as Monitoring Well : Not suitable

Other Information : Discharged groundwater is stored in 3.5 m³ water tank.
Pump is equipped with automatic starter and stopper.

WELL SURVEY SHEET

Date-Month-Year of Survey : 29-4-'96

1. Well No. : 38 (number shown in the well inventory sheet of Bangui city)
2. Location Name : Bangui CATTIN
3. Latitude : N 4 °22 '08 " Longitude :E 18 ° 31' 38"

4. Present Condition : Not working
5. Well Owner : Bangui CATTIN
6. Well Completion Year : 1987 ?
7. Purpose of Water Use : For workshop
8. Other Water Source : SODECA water supplied

9. Served Population and Households : --
10. Water Consumption Rate per Capita : -- lit. / day
11. Daily Discharge Amount : -- m³ / day , no answer
12. Working Hour per Day: -- hours / day, no answer
13. Working Days : - days / week or month or year, no answer
14. Pump Type : --

15. Organization for Well Maintenance : Bangui CATTIN
16. Water Tariff : --
17. Use of Collected Tariff : --
18. Frequency of Pump Trouble : No answer
19. Cost for Repair of Pump : No answer
20. Revenue for Repair : Bangui CATTIN

21. Static Groundwater Depth : 20.00 m (according to the municipality well survey sheet)
22. Total Depth of the Well : 201.00m (ditto)
23. Aquifer Type : Limestone (depth = 30.00m, thickness = 171.00m) (ditto)
24. Hydraulic Properties :
25. Water Quality : Good
26. Suitability as Monitoring Well : Steel plate is welded on the mouth of the hole.

Other Information : Drilling record might be available from the manager of the workshop ?

WELL SURVEY SHEET

Date-Month-Year of Survey : 24-4-'96

1. Well No. : 39 (number shown in the well inventory sheet of Bangui city)

2. Location Name : Bangui GONGORO I

3. Latitude : N 4° 24' 40" Longitude :E 18° 31' 45"

4. Present Condition : Not completed because of dry well, not found

5. Well Owner : GONGORO

6. Well Completion Year : No data

7. Purpose of Water Use : Domestic ?

8. Other Water Source : Shallow well

9. Served Population and Households : --

10. Water Consumption Rate per Capita : --

11. Daily Discharge Amount : -- m³ / day

12. Working Hour per Day: -- min. / day

13. Working Days : --

14. Pump Type : --

15. Organization for Well Maintenance : --

16. Water Tariff : --

17. Use of Collected Tariff : --

18. Frequency of Pump Trouble : --

19. Cost for Repair of Pump : --

20. Revenue for Repair : --

21. Static Groundwater Depth : No data

22. Total Depth of the Well : 54.00m

23. Aquifer Type : Alternation

24. Hydraulic Properties :

25. Water Quality : --

26. Suitability as Monitoring Well : Not found

Other Information :

WELL SURVEY SHEET

Date-Month-Year of Survey : 24-4-'96

1. Well No. : 40 (number shown in the well inventory sheet of Bangui city)
2. Location Name : Bangui GONGORO II
3. Latitude : N 4° 24' 39" Longitude :E 18° 31' 53"

4. Present Condition : Not completed because of dry well, not found

5. Well Owner : GONGORO

6. Well Completion Year : No data

7. Purpose of Water Use : Domestic ?

8. Other Water Source : Shallow well

9. Served Population and Households : --

10. Water Consumption Rate per Capita : --

11. Daily Discharge Amount : -- m³ / day

12. Working Hour per Day: -- min. / day

13. Working Days : --

14. Pump Type : --

15. Organization for Well Maintenance : --

16. Water Tariff : --

17. Use of Collected Tariff : --

18. Frequency of Pump Trouble : --

19. Cost for Repair of Pump : --

20. Revenue for Repair : --

21. Static Groundwater Depth : No data

22. Total Depth of the Well : 57.00m

23. Aquifer Type : Alternation

24. Hydraulic Properties :

25. Water Quality : --

26. Suitability as Monitoring Well : Not found

Other Information :

WELL SURVEY SHEET

Date-Month-Year of Survey : 24-4-'96

1. Well No. : 41 (number shown in the well inventory sheet of Bangui city)

2. Location Name : UCATEX I

3. Latitude : N 4° 24' 05" Longitude :E 18° 32' 32"

4. Present Condition : Not working

5. Well Owner : UCATEX

6. Well Completion Year : 1987

7. Purpose of Water Use : Textile factory

8. Other Water Source : SODECA water supplied

9. Served Population and Households : --

10. Water Consumption Rate per Capita : --

11. Daily Discharge Amount : 5m³ / day before 3 years, presently no working

12. Working Hour per Day: -- min. / day

13. Working Days : --

14. Pump Type : Broken electric submersible pump installed in the well

15. Organization for Well Maintenance : UCATEX

16. Water Tariff : --

17. Use of Collected Tariff : --

18. Frequency of Pump Trouble : No answer

19. Cost for Repair of Pump : No answer

20. Revenue for Repair : UCATEX

21. Static Groundwater Depth : 27.00m? (measured in '87)

22. Total Depth of the Well : 156m

23. Aquifer Type : Limestone (depth = 153m, thickness = 3m)

24. Hydraulic Properties :

25. Water Quality : Good

26. Suitability as Monitoring Well : Not suitable

Other Information :

WELL SURVEY SHEET

Date-Month-Year of Survey : 24-4-'96

1. Well No. : 42 (number shown in the well inventory sheet of Bangui city)

2. Location Name : UCATEX II

3. Latitude : N 4° 24' 05" Longitude :E 18° 32' 32"

4. Present Condition : Working

5. Well Owner : UCATEX

6. Well Completion Year : 1987

7. Purpose of Water Use : Textile factory

8. Other Water Source : SODECA water supplied

9. Served Population and Households : --

10. Water Consumption Rate per Capita : --

11. Daily Discharge Amount : Presently 500 lit / day, 25m³ / day before 3 years,

12. Working Hour per Day: 5 - 10 min. / day

13. Working Days : Everyday

14. Pump Type : Electric submergible pump

15. Organization for Well Maintenance : UCATEX

16. Water Tariff : --

17. Use of Collected Tariff : --

18. Frequency of Pump Trouble : No answer

19. Cost for Repair of Pump : No answer

20. Revenue for Repair : UCATEX

21. Static Groundwater Depth : 28.00m? (measured in '87)

22. Total Depth of the Well : 171m

23. Aquifer Type : Limestone (depth = 145m, thickness = 26m)

24. Hydraulic Properties :

25. Water Quality : Good

26. Suitability as Monitoring Well : Not suitable, water sample can be taken.

Other Information : Nowadays, the factory is almost closed.

WELL SURVEY SHEET

Date-Month-Year of Survey : 24-4-'96

1. Well No. : 43 (number shown in the well inventory sheet of Bangui city)
2. Location Name : UCATEX III
3. Latitude : N 4° 24' 05" Longitude :E 18° 32' 32"

4. Present Condition : Not working
5. Well Owner : UCATEX
6. Well Completion Year : 1987
7. Purpose of Water Use : Textile factory
8. Other Water Source : SODECA water supplied

9. Served Population and Households : --
10. Water Consumption Rate per Capita : --
11. Daily Discharge Amount : Not used
12. Working Hour per Day: -- min. / day
13. Working Days : --
14. Pump Type :

15. Organization for Well Maintenance : UCATEX
16. Water Tariff : --
17. Use of Collected Tariff : --
18. Frequency of Pump Trouble : --
19. Cost for Repair of Pump : --
20. Revenue for Repair : UCATEX

21. Static Groundwater Depth : 5.3m (measured in 24-4-'96)
22. Total Depth of the Well : 152m
23. Aquifer Type : Limestone (depth = 119m, thickness = 33m)
24. Hydraulic Properties :
25. Water Quality : --
26. Suitability as Monitoring Well : Suitable, hole is open

Other Information :

WELL SURVEY SHEET

Date-Month-Year of Survey : 25-4-'96

1. Well No. : 44 (number shown in the well inventory sheet of Bangui city)
2. Location Name : Bangui SCB I (CASTEL / MOCAF factory)
3. Latitude : N 4° 19' 15" Longitude :E 18° 30' 57"

4. Present Condition : Not working
5. Well Owner : Bangui SCB (Beverage factory)
6. Well Completion Year : 1987
7. Purpose of Water Use : --
8. Other Water Source : SODECA water

9. Served Population and Households : --
10. Water Consumption Rate per Capita : --
11. Daily Discharge Amount : -- m³ / day
12. Working Hour per Day: -- hours / day
13. Working Days : -- days / week or month or year
14. Pump Type : --

15. Organization for Well Maintenance : Bangui SCB
16. Water Tariff : --
17. Use of Collected Tariff : --
18. Frequency of Pump Trouble : --
19. Cost for Repair of Pump : --
20. Revenue for Repair : --

21. Static Groundwater Depth : 8.59m (measured on 25-4-'96)
22. Total Depth of the Well : 37.00m
23. Aquifer Type : Conglomerate (depth = 6.00m, thickness = 31.00m)
24. Hydraulic Properties : --
25. Water Quality : --
26. Suitability as Monitoring Well : Suitable

Other Information :

WELL SURVEY SHEET

Date-Month-Year of Survey : 25-4-'96

1. Well No. : 45 (number shown in the well inventory sheet of Bangui city)
2. Location Name : Bangui SCB I (CASTEL / MOCAF factory)
3. Latitude : N 4° 19' 15" Longitude :E 18° 30' 57"

4. Present Condition : Dry well, not completed
5. Well Owner : Bangui SCB (Beverage factory)
6. Well Completion Year : 1987
7. Purpose of Water Use : --
8. Other Water Source : SODECA water

9. Served Population and Households : --
10. Water Consumption Rate per Capita : --
11. Daily Discharge Amount : -- m³ / day
12. Working Hour per Day: -- hours / day
13. Working Days : -- days / week or month or year
14. Pump Type : --

15. Organization for Well Maintenance : --
16. Water Tariff : --
17. Use of Collected Tariff : --
18. Frequency of Pump Trouble : --
19. Cost for Repair of Pump : --
20. Revenue for Repair : --

21. Static Groundwater Depth : Dry well
22. Total Depth of the Well : 53.00m
23. Aquifer Type : Conglomerate (depth = 51.00m, thickness = 2.00m)
24. Hydraulic Properties : --
25. Water Quality : --
26. Suitability as Monitoring Well : Not completed

Other Information :

WELL SURVEY SHEET

Date-Month-Year of Survey : 25-4-'96

1. Well No. : 46 (number shown in the well inventory sheet of Bangui city)
2. Location Name : Bangui SCB III (CASTEL / MOCAF factory)
3. Latitude : N 4° 19' 15" Longitude : E 18° 30' 57"

4. Present Condition : Working
5. Well Owner : Baugui SCB (Beverage factory)
6. Well Completion Year : 1987
7. Purpose of Water Use : Industrial purpose, used only for bottle washing
8. Other Water Source : SODECA water is used for beer and juice.

9. Served Population and Households : --
10. Water Consumption Rate per Capita : --
11. Daily Discharge Amount : 500 m³ / day
12. Working Hour per Day: 10 - 12 hours / day, with automatic starter
13. Working Days : 7 days / week or month or year
14. Pump Type : Electric submergible pump

15. Organization for Well Maintenance : Bangui SCB
16. Water Tariff : --
17. Use of Collected Tariff : --
18. Frequency of Pump Trouble : No answer
19. Cost for Repair of Pump : --
20. Revenue for Repair : Bangui SCB

21. Static Groundwater Depth : 6.67m (measured in '87)
22. Total Depth of the Well : 41.00m
23. Aquifer Type : Conglomerate (depth = 23.30m, thickness = 17.70m)
24. Hydraulic Properties : Specific capacity = 0.3 m² / hour
25. Water Quality : Not good, only for washing, used after chlorinating treatment
26. Suitability as Monitoring Well : Not suitable

Other Information : Discharged groundwater is stored in water tank.
Pump is equipped with automatic starter and stopper.

WELL SURVEY SHEET

Date-Month-Year of Survey : 29-4-'96

1. Well No. : 47 (number shown in the well inventory sheet of Bangui city)

2. Location Name : Bangui UNICEF

3. Latitude : N 4° 22' 02" Longitude :E 18° 35' 02"

4. Present Condition : Working for demonstrative purpose

5. Well Owner : UNICEF

6. Well Completion Year : 1990

7. Purpose of Water Use : Demonstration well of UNICEF

8. Other Water Source : SODECA water connected

9. Served Population and Households : --

10. Water Consumption Rate per Capita : -- lit. / day

11. Daily Discharge Amount : 1.0 lit / day

12. Working Hour per Day: 20 minutes / day

13. Working Days : 7 days / week or month or year

14. Pump Type : Hand pump (Indian Mark II)

15. Organization for Well Maintenance : UNICEF

16. Water Tariff : --

17. Use of Collected Tariff : --

18. Frequency of Pump Trouble : No

19. Cost for Repair of Pump : --

20. Revenue for Repair : UNICEF

21. Static Groundwater Depth : 10.35 m (measured in 1990)

22. Total Depth of the Well : 37.08m

23. Aquifer Type : Pelite / Conglomerate (depth = 24.00m, thickness = 13.08m)

24. Hydraulic Properties :

25. Water Quality : Not good and not safety according to UNICEF staff

26. Suitability as Monitoring Well : Not suitable

Other Information : Normally UNICEF employs Indian Mark II because of its toughness,
however its spare parts are not available anytime in Bangui.

WELL SURVEY SHEET

Date-Month-Year of Survey : 24-4-'96

1. Well No. : Number is not shown in the well inventory sheet of Bangui city

2. Location Name : SEGA NGOLA

3. Latitude : N 4° 26' 10" Longitude :E 18° 31' 18"

4. Present Condition : Working

5. Well Owner : SEGA NGOLA

6. Well Completion Year : 1991

7. Purpose of Water Use : Butchery

8. Other Water Source : Shallow well

9. Served Population and Households : --

10. Water Consumption Rate per Capita : --

11. Daily Discharge Amount : 7m³ / day

12. Working Hour per Day: 50 min. / day

13. Working Days : Everyday

14. Pump Type : Electric submergible pump

15. Organization for Well Maintenance : SEGA NGOLA

16. Water Tariff : --

17. Use of Collected Tariff : --

18. Frequency of Pump Trouble : No answer

19. Cost for Repair of Pump : No answer

20. Revenue for Repair : SEGA NGOLA

21. Static Groundwater Depth : 3.20m (measured in '91)

22. Total Depth of the Well : No data

23. Aquifer Type : Alternation

24. Hydraulic Properties : Specific capacity = 0.822 m²/h

25. Water Quality : Good

26. Suitability as Monitoring Well : Not suitable

Other Information :

WELL SURVEY SHEET

Date-Month-Year of Survey : 24-4-'96

1. Well No. : Number is not shown in the well inventory sheet of Bangui city
2. Location Name : FERMA EDOUARD FRANCK
3. Latitude : N 4° 22' 02" Longitude : E 18° 34' 58"

4. Present Condition : Working
5. Well Owner : EDOUARD FRANCK
6. Well Completion Year : 1991
7. Purpose of Water Use : Private use for own household
8. Other Water Source : SODECA water supply

9. Served Population and Households : 12 persons, 1 household
10. Water Consumption Rate per Capita : -- lit. / day
11. Daily Discharge Amount : 50 lit / day
12. Working Hour per Day : 24 hours / day
13. Working Days : 7 days / week or month or year
14. Pump Type : Pedal pump

15. Organization for Well Maintenance : EDOUARD FRANCK
16. Water Tariff : --
17. Use of Collected Tariff : --
18. Frequency of Pump Trouble : No answer
19. Cost for Repair of Pump : No answer
20. Revenue for Repair : EDOUARD FRANCK

21. Static Groundwater Depth : 13.00 m (measured in 1984)
22. Total Depth of the Well : 33.52m
23. Aquifer Type : Bedrock (depth = 23.50m, thickness = 10.02m)
24. Hydraulic Properties :
25. Water Quality : Good
26. Suitability as Monitoring Well : Not suitable

Other Information :

WELL SURVEY SHEET

Date-Month-Year of Survey : 7-5-'96

1. Well No. : Number is not shown in the well inventory sheet of Bangui city
2. Location Name : EMBASSY of JAPAN
3. Latitude : N 4° 21' 52" Longitude : E 18° 33' 46"

4. Present Condition : Working
5. Well Owner : Embassy of Japan
6. Well drilled Year : 1992
7. Purpose of Water Use : For emergency, gardening
8. Substitute Water Source : SODECA water is supplied.

9. Planned Served Population and Households : --
10. Water Consumption Rate per Capita : Not used normally
11. Daily Discharge Amount : --
12. Working Hour per Day : --
13. Working Days : --
14. Pump Type : Electric submergible pump

15. Organization for Well Maintenance : Embassy of Japan
16. Water Tariff : --
17. Use of Collected Tariff : --
18. Frequency of Pump Trouble : --
19. Cost for Repair of Pump : --
20. Revenue for Repair : --

21. Static Groundwater Depth : 2.23m (measured on Oct. 30th, '92)
22. Total Depth of the Well : 28.00m
23. Aquifer Type : Conglomerate (depth = 24.00m, thickness = 4.00m)
24. Hydraulic Properties : Specific capacity = 3.9 m² / hour ? (too large)
25. Water Quality : Fe rich, not suitable for potable use
26. Suitability as Monitoring Well : Not suitable

Other Information :

WELL SURVEY SHEET

Date-Month-Year of Survey : 2-5-'96

1. Well No. : Number is not shown in the well inventory sheet of Bangui city

2. Location Name : UANGO PATA

3. Latitude : N 4° 22' 20" Longitude : E 18° 37' 28"

4. Present Condition : Not completed because of dry well

5. Well Owner : --

6. Well Completion Year : 1984

7. Purpose of Water Use : Domestic use

8. Other Water Source : SODECA water kiosk

9. Served Population and Households : --

10. Water Consumption Rate per Capita : --

11. Daily Discharge Amount : --

12. Working Hour per Day: --

13. Working Days : --

14. Pump Type : --

15. Organization for Well Maintenance : --

16. Water Tariff : --

17. Use of Collected Tariff : --

18. Frequency of Pump Trouble : --

19. Cost for Repair of Pump : --

20. Revenue for Repair : --

21. Static Groundwater Depth : 8.00m (measured in '84)

22. Total Depth of the Well : 22.00m

23. Aquifer Type : No data

24. Hydraulic Properties :

25. Water Quality : No data

26. Suitability as Monitoring Well : Not suitable, filled with sand

Other Information :

WELL SURVEY SHEET

Date-Month-Year of Survey : 2-5-'96

1. Well No. : Number is not shown in the well inventory sheet of Bangui city

2. Location Name : UANGO DISPENSAIRE

3. Latitude : N 4° 21' 52" Longitude : E 18° 37' 17"

4. Present Condition : Not completed because of dry well

5. Well Owner : --

6. Well Completion Year : 1984

7. Purpose of Water Use : Domestic use

8. Other Water Source : SODECA water kiosk

9. Served Population and Households : --

10. Water Consumption Rate per Capita : --

11. Daily Discharge Amount : --

12. Working Hour per Day : --

13. Working Days : --

14. Pump Type : --

15. Organization for Well Maintenance : --

16. Water Tariff : --

17. Use of Collected Tariff : --

18. Frequency of Pump Trouble : --

19. Cost for Repair of Pump : --

20. Revenue for Repair : --

21. Static Groundwater Depth : 22.00 (measured in '84)

22. Total Depth of the Well : 32.00m

23. Aquifer Type : No data

24. Hydraulic Properties :

25. Water Quality : No data

26. Suitability as Monitoring Well : Not suitable, filled with sand

Other Information :

WELL SURVEY SHEET

Date-Month-Year of Survey : 18-4-'96

1. Well No. : Not listed in the well inventory sheet of Bangui city
2. Location Name : Bangui GUITANGOLA 1 (Chief--Mr. Bekamba)
3. Latitude : N 4° 20' 48" Longitude :E 18° 31' 55"

4. Present Condition : Abandoned because of pump trouble in 1993
5. Well Owner : GUITANGOLA 1 (PES project)
6. Well Completion Year : 1990
7. Purpose of Water Use : Used for domestic use
8. Substitute Water Source : Shallow well

9. Served Population and Households : Around 60 households, 600 persons
10. Water Consumption Rate per Capita : 3 - 4 lit / day
11. Daily Discharge Amount : 2 - 3 m³ / day
12. Working Hour per Day: No answer
13. Working Days : No answer
14. Pump Type : Hand pump (Indian Mark II) with concrete shelter

15. Organization for Well Maintenance : It was Community GUITANGOLA 1
16. Water Tariff : It was free.
17. Use of Collected Tariff : --
18. Frequency of Pump Trouble : No answer
19. Cost for Repair of Pump : CFA 100,000
20. Revenue for Repair : Community collected repair fee from inhabitants.

21. Static Groundwater Depth : 5.00m (measured in May, '90)
22. Total Depth of the Well : 45.00m
23. Aquifer Type : Limestone (depth = 39.00m, thickness = 6.00m)
24. Hydraulic Properties :
25. Water Quality : It was good.
26. Suitability as Monitoring Well : Not suitable, broken pump installed

Other Information : One shallow well serves 100 to 200 inhabitants.

PES = Projet Exploitation Eau Soulevair

WELL SURVEY SHEET

Date-Month-Year of Survey : 25-4-'96

1. Well No. : Number is not shown in the well inventory sheet of Bangui city
2. Location Name : GOTOMBO
3. Latitude : N 4° 24' 16" Longitude : E 18° 34' 28"

4. Present Condition : Working
5. Well Owner : Ferma BENAM (private well)
6. Well Completion Year : August 31st, 1991
7. Purpose of Water Use : Domestic use
8. Other Water Source : Shallow well

9. Served Population and Households : 500 - 600 persons, 50 - 60 households
10. Water Consumption Rate per Capita : 5 lit. / day
11. Daily Discharge Amount : 3 m³ / day
12. Working Hour per Day: 13 hours / day
13. Working Days : 7 days / week or month or year
14. Pump Type : Pedal pump

15. Organization for Well Maintenance : Ferma BENAM
16. Water Tariff : Free
17. Use of Collected Tariff : --
18. Frequency of Pump Trouble : No answer
19. Cost for Repair of Pump : --
20. Revenue for Repair : Ferma BENAM will pay.

21. Static Groundwater Depth : 5.8m (measured on 31-8-'91)
22. Total Depth of the Well : 63.62m
23. Aquifer Type : Bedrock (depth = 49.75m, thickness = 13.87m)
24. Hydraulic Properties : --
25. Water Quality : Good
26. Suitability as Monitoring Well : Not suitable

Other Information :