10518

ORGANISATION POUR LA MISE EN VALEUR DU FLEUVE SENEGAL OMVS
DIRECTION DE L'INFRASTRUCTURE REGIONALE DIR
CELLULE EAUX SOUTERRAINES
PROJET OMVS/USAID 625-0958

§§§§§§§§§§§§§§§§§§§§§§§§§§

REPERTOIRE HYDROGEOLOGIQUE

§§§§§§§§§§§§§§§§§§§§§§§§§§

DOCUMENT ANNEXE

CARTE TOPOGRAPHIQUE 1/50 000
15 MATAM 4C

* COUPES GEOLOGIQUES ET TECHNIQUES
* COURBES GRANULOMETRIQUES
* REPRESENTATIONS GRAPHIQUES DES ANALYSES D'EAU

SAINT-LOUIS, LE 21 SEPTEMBRE 1989

ORGANISATION POUR LA MISE EN VALEUR DU FLEUVE SENEGAL OMVS
DIRECTION DES INFRASTRUCTURES REGIONALES DIR
CELLULE EAUX SOUTERRAINES
PROJET OMVS/USAID 625-0958

REPERTOIRE HYDROGEOLOGIQUE

DOCUMENT ANNEXE

CARTE TOPOGRAPHIQUE 1:50,000

15 MATAM 4C

* COUPES GEOLOGIQUES ET TECHNIQUES
* COURBES GRANULOMETRIQUES
* REPRESENTATIONS GRAPHIQUES DES ANALYSES D'EAU

PROJET OMVS/USAID
625-0958

COMMENTAIRES UTILES

A) GENERAUX

Les représentations graphiques des coupes géologiques et techniques de cette annexe, accompagnées des tableaux explicitant les descriptions géologiques, sont issues de l'exploitation d'un progiciel GROUNDWATER.

Tous les fichiers résultant de l'exploitation de ce progiciel sont regroupés dans un répertoire maître appelé GWDATA. Le répertoire maître a été subdivisé en autant de sous/répertoire nommé par le nom de la carte topographique 1/50,000 qu'il y a de cartes topographiques 1/50,000 dans les limites de la zone à l'étude.

L'identification des fichiers est de type *.WLT et *.WLC.

Le symbole * correspond au numéro du piézomètre concerné et les extensions:

WLT: regroupent toutes les données géologiques relatives au piézomètre concerné,

WLC: regroupent toutes les données techniques relatives au piézomètre concerné.

Le lecteur trouvera ci-après, la liste exhaustive de tous les fichiers traités dans le cadre de cette annexe, correspondant à autant de piézomètres regroupés dans les limites de la carte topographique 1/50,000 concernée.

Tous les piézomètres, traités dans cette annexe, sont localisés sur la carte 1/50,000 accompagnant ce document.

La liste exhaustive des piézomètres relative à cette carte résulte de l'exploitation d'un logiciel utilitaire XTREE.

GUIDE LEXICOLOGIQUE

Toutes les représentations graphiques et le tableau caractérisant un piézomètre # ... , regroupés à l'annexe # 1, sont issus du logiciel GROUNDWATER/LITHOCON. D'origine anglophone, il peut être utile de préciser les traductions ci-après. La traduction n'est pas rigoureuse et tient compte de la spécificité des travaux réalisés par le projet.

LITHOLOGY	= DESCRIPTION LITHOSTRATIGRAPHIQUE
WELL CONSTRUCTION DETAILS	= COUPE TECHNIQUE DU PIEZOMETRE
WELL CAP	= COUVERCLE DE PROTECTION
CASING	= TUBE D'ACIER PEINT EN ROUGE
LINER	= TUBE PVC PLEIN
DRILLED HOLE	= TROU DE FORAGE
WELL SCREEN	= CREPINE EN PVC
PLUG	= BOUCHON DE FERMETURE A LA BASE DU PIEZOMETRE
GRAVEL PACK	= GRAVIER FILTRE
STATIC WATER LEVEL	= NIVEAU STATIQUE MESURE PAR RAPPORT AU SOL
SCALE	= ECHELLE
PROJECT	= PROJET
FILE	= FICHIER, CORRESPOND AU # DU PROJET
LOCATION	= LOCALISATION, CORRESPOND AU NOM DE LA CARTE 1/50.000
WELL NO	= NO DU PIEZOMETRE
DRILLER	= FOREUR, CORRESPONDANT AU NOM DE L'ENTREPRISE RESPONSABLE DES TRAVAUX DE FORAGE
ELEVATION (m)	= ELEVATION EXPRIMEE EN METRES PAR RAPPORT AU ZERO IGN
DATE DRILLED	= DATE D'EXECUTION DU FORAGE
TYPE OF RIG	= TECHNIQUE DE FORAGE
DEPTH	= PROFONDEUR
THICKNESS (m)	= EPAISSEUR EXPRIMEE EN METRES

GROUNDWATER/CODIFICATION DES DESCRIPTIONS STRATIGRAPHIQUES

CODES	DESCRIPTIONS LITHOLOGIQUES ABREGEES*	COMPLETES
F1	ARG./PLAST.	argile plastique
F2	ARG./SABLE	argile avec sable
F3	SILT	silt
F4	SA. FIN	sable fin
F5	SA. MOY.	sable moyen
F6	SA. GROS.	sable grossier
F7	GRAV. FIN	gravier fin
F8	GRAV. MOY.	gravier moyen
F9	GRAV. GROS.	gravier grossier
F10	SA. DUNAIRE	sable dunaire
SHIFT F1	SA. GRAVIL.	sable avec gravillons
SHIFT F2	GRES/SABLE	grès et/ou sable
SHIFT F3	GRES/SA/CAL	grès et/ou sable avec calcaire
SHIFT F4	CALCAIRE	calcaire
SHIFT F5	GRES FER.	grès ferrugineux
SHIFT F6	SA COQUIL.	sable coquillier
SHIFT F7	MARNE	marne
SHIFT F8	SOL ORGAN.	sol organique
SHIFT F9	LATERITE	latérite
SHIFT F10	SCHISTE	schiste

* La description abrégée est limitée à un maximun de 11 caractères pour des containtes de représentations graphiques.

PROJET OMVS/USAID
625-0958

GROUNDWATER/CODIFICATION GEOLOGIQUE [10]

CODES	DESCRIPTIONS GEOLOGIQUES
CO	Primaire/ Cambrien ordovicien/ série de MBOUT/BAKEL.
CT	Tertiaire/ Continental terminal.
EC	Tertiaire/ Eocène à faciès continental.
EM	Tertiaire/ Eocène à faciès marin indifférencié.
EMI	Tertiaire/ Eocène inférieur à faciès marin.
EMM	Tertiaire/ Eocène moyen à faciès marin.
EMP	Tertiaire/ Eocène à faciès marin/ Paléocène.
IN	Quaternaire/ Inchirien indifférencié.
M	Secondaire/ Maestrichtien.
NK	Quaternaire/ Nouakchottien.
OG	Quaternaire/ Ogolien indifférencié.
QAM	Quaternaire moyen et ancien.
QT	Quaternaire indifférencié.

[10] La codification géologique utilisée est rigoureusement celle utilisée par la banque **GES.**

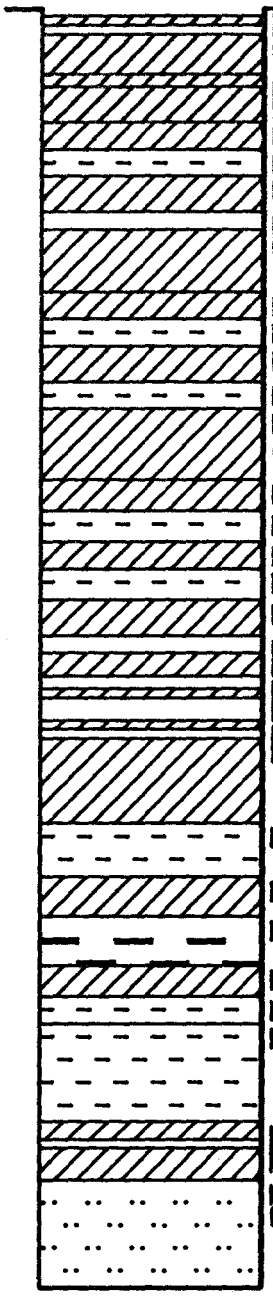
LEGEND

ARG./PLAST.
ARG./SABLE
SILT
SA. FIN
SA. MOY.
SA. GROS.
GRAV. FIN
GRAV. MOY.
GRAV. GROS.
SA. DUNAIRE
SA. GRAVIL.
GRES/SABLE
GRES/SA/CALC
CALCAIRE
GRES FER.
SA. COQUIL.
MARNE
SOL ORGAN.
LATERITE
SCHISTE

SCALE IN M

0
17
34
51
68
85
102
119
136
153
170
187
204
221
238
255
272
289

B DIAVE



LATERITIQUE.
BR/BLANCHATRE.
BR/BLANCHATRE.
BR; PEUILLETEE; +GRAINS LATERITIQUE
BR; SILTEUSE.
A MOYEN; +GRAINS DE LATERITE
BLANCHE LIE DE VIN.
A MOYEN; +GRAINS DE LATERITE.
BR; SABLEUSE
BLANCHATRE; SILTEUSE.
ROULE; +QUARTZ.
RO/BRIQUE;
BARIOLEE; VIOLACEE ET SABLEUSE A L A BASE.
ROUGE VIOLACE;
ROUGE VIOLACE; JA; ARGILEUX; MOYEN A LA BASE.
ROUGE-VIOLACE; SABLEUSE.
A MOYEN.
LIE DE VIN.
A MOYEN
A MOY.
M-MOY.
A MOY.
ROUGE-VIOLACE/BR; SABLEUSE.
A GROSSIER.
GR; SABLEUSE; ROUGE BRIQUE A LA BASE
HETEROGENE; LATERITIQUE; ARGILEUX
GR/BR;
A GROSSIER; +GRAINS DE LATERITE.
A MOY. +PASSEES ARGILEUSES
SABLEUSE.
A MOY.
BR.
A GROSSIER; +PASSEES GRESEUSES ET ARGILEUSES

PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: MATAM 4C

LITHOLOGY

USAID/DAKAR/SENEGAL

FIGURE B. DIA

WELL LITHOLOGY

PROJECT: OMVS/USAID
LOCATION: MATAM 4C
WELL NO.: B DIAVE
DRILLER: SASSIF

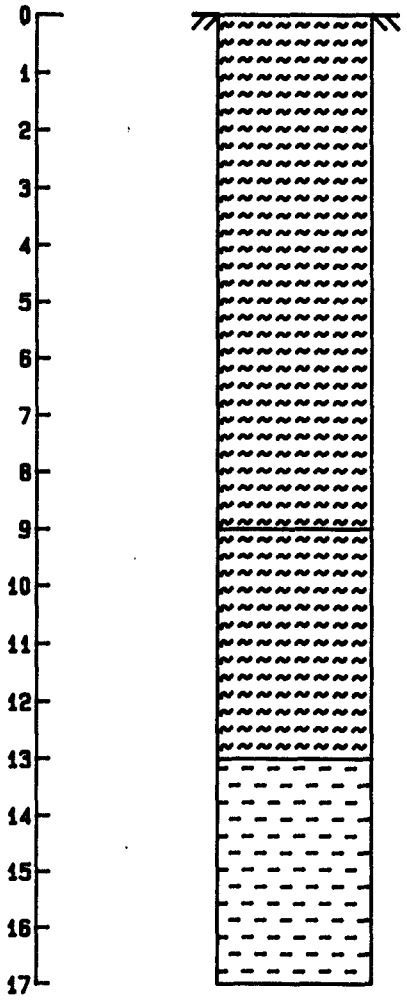
FILE NO.: 625-0358
ELEVATION (M): 13.51
DATE DRILLED: 10/08/85
TYPE OF RIG: BATTAGE

DEPTH (M)		ELEVATION (M)		THICKNESS (M)	LITHOLOGY
FROM	TO	FROM	TO		
0.00	2.00	13.51	11.51	2.00	GRAV. GROS.,QT; LATERIT
2.00	4.00	11.51	9.51	2.00	ARG./PLAST.,QT; LATERIT
4.00	6.00	9.51	7.51	2.00	GRAV. GROS.,QT;
6.00	15.00	7.51	-1.49	9.00	ARG./PLAST.,QT; BR/BLAN
15.00	18.00	-1.49	-4.49	3.00	ARG./PLAST.,QT; GR/BLAN
18.00	26.00	-4.49	-12.49	8.00	ARG./PLAST.,QT; GR; FEU
26.00	32.00	-12.49	-18.49	6.00	ARG./PLAST.,QT; BR; SIL
32.00	38.00	-18.49	-24.49	6.00	SA. FIN,EMI; A MOYEN; +
38.00	46.00	-24.49	-32.49	8.00	ARG./PLAST.,EMI; BLANCH
46.00	50.00	-32.49	-36.49	4.00	SA. FIN,EMI; A MOYEN; +
50.00	64.00	-36.49	-50.49	14.00	ARG./PLAST.,EMI; BR; SA
64.00	70.00	-50.49	-56.49	6.00	ARG./PLAST.,EMI; BLANCH
70.00	76.00	-56.49	-62.49	6.00	SA. FIN,EMI; ROULE; +QU
76.00	84.00	-62.49	-70.49	8.00	ARG./PLAST.,EMI; RO/BRI
84.00	90.00	-70.49	-76.49	6.00	SA. FIN,EMI;
90.00	106.00	-76.49	-92.49	16.00	ARG./PLAST.,EMI; BARIOL
106.00	113.00	-92.49	-99.49	7.00	ARG./PLAST.,EMI; ROUGE
113.00	120.00	-99.49	-106.49	7.00	SA. FIN,EMI; ROUGE VIOL
120.00	126.00	-106.49	-112.49	6.00	ARG./PLAST.,EMI; ROUGE
126.00	133.00	-112.49	-119.49	7.00	SA. FIN,EMI; A MOYEN.
133.00	141.00	-119.49	-127.49	8.00	ARG./PLAST.,EMI; LIE DE
141.00	145.00	-127.49	-131.49	4.00	SA. FIN,EMI; A MOYEN
145.00	150.00	-131.49	-136.49	5.00	ARG./PLAST.,EMI.
150.00	153.00	-136.49	-139.49	3.00	SA. FIN,EMI A MOY.
153.00	155.00	-139.49	-141.49	2.00	ARG./PLAST.,EMI; BE.
155.00	160.00	-141.49	-146.49	5.00	SA. FIN,EMI; A MOY.
160.00	162.00	-146.49	-148.49	2.00	ARG./PLAST.,EMI;
162.00	164.00	-148.49	-150.49	2.00	SA. FIN,EMI; A MOY.
164.00	183.00	-150.49	-169.49	19.00	ARG./PLAST.,EMI; ROUGE
183.00	195.00	-169.49	-181.49	12.00	SA. FIN,M; A GROSSIER.
195.00	204.00	-181.49	-190.49	9.00	ARG./PLAST.,M; GR; SABL
204.00	215.00	-190.49	-201.49	11.00	SA. GRAVIL.,M; HETEROGE
215.00	222.00	-201.49	-208.49	7.00	ARG./PLAST.,M; GR/BR;
222.00	228.00	-208.49	-214.49	6.00	SA. FIN,M; A GROSSIER;
228.00	250.00	-214.49	-236.49	22.00	SA. FIN,M; A MOY. +PASS
250.00	254.00	-236.49	-240.49	4.00	ARG./PLAST.,M; SABLEUSE
254.00	256.00	-240.49	-242.49	2.00	SA. FIN,M; A MOY.
256.00	263.00	-242.49	-249.49	7.00	ARG./PLAST.,M; BR.
263.00	287.50	-249.49	-273.99	24.50	SA. MOY.,M; A GROSSIER;

LEGEND

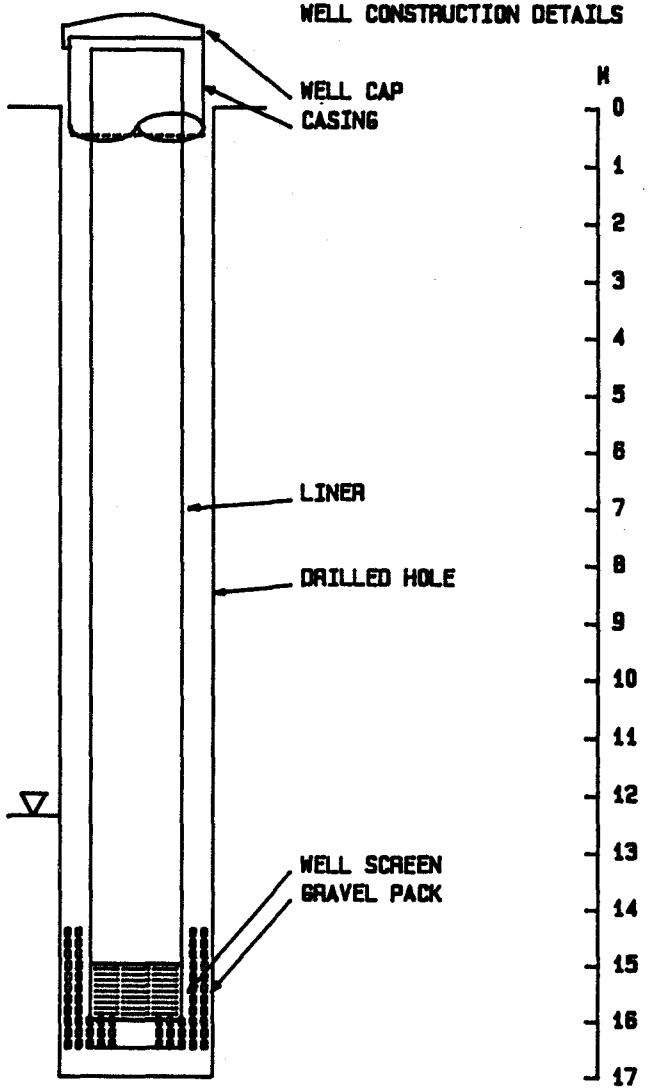
- ARG./PLAST.
- ARG./SABLE
- SILT
- SA. FIN
- SA. MOY.
- SA. GROS.
- GRAV. FIN
- GRAV. MOY.
- GRAV. GROS.
- SA. DUNAIRE
- SA. GRAVIL.
- GRES/SABLE
- GRES/SA/CALC
- CALCAIRE
- GRES FER.
- SA. COQUIL.
- MARNE
- SOL ORGAN.
- LATERITE
- SCHISTE

LITHOLOGY



SCALE: 1 CM= 1 M

WELL CONSTRUCTION DETAILS



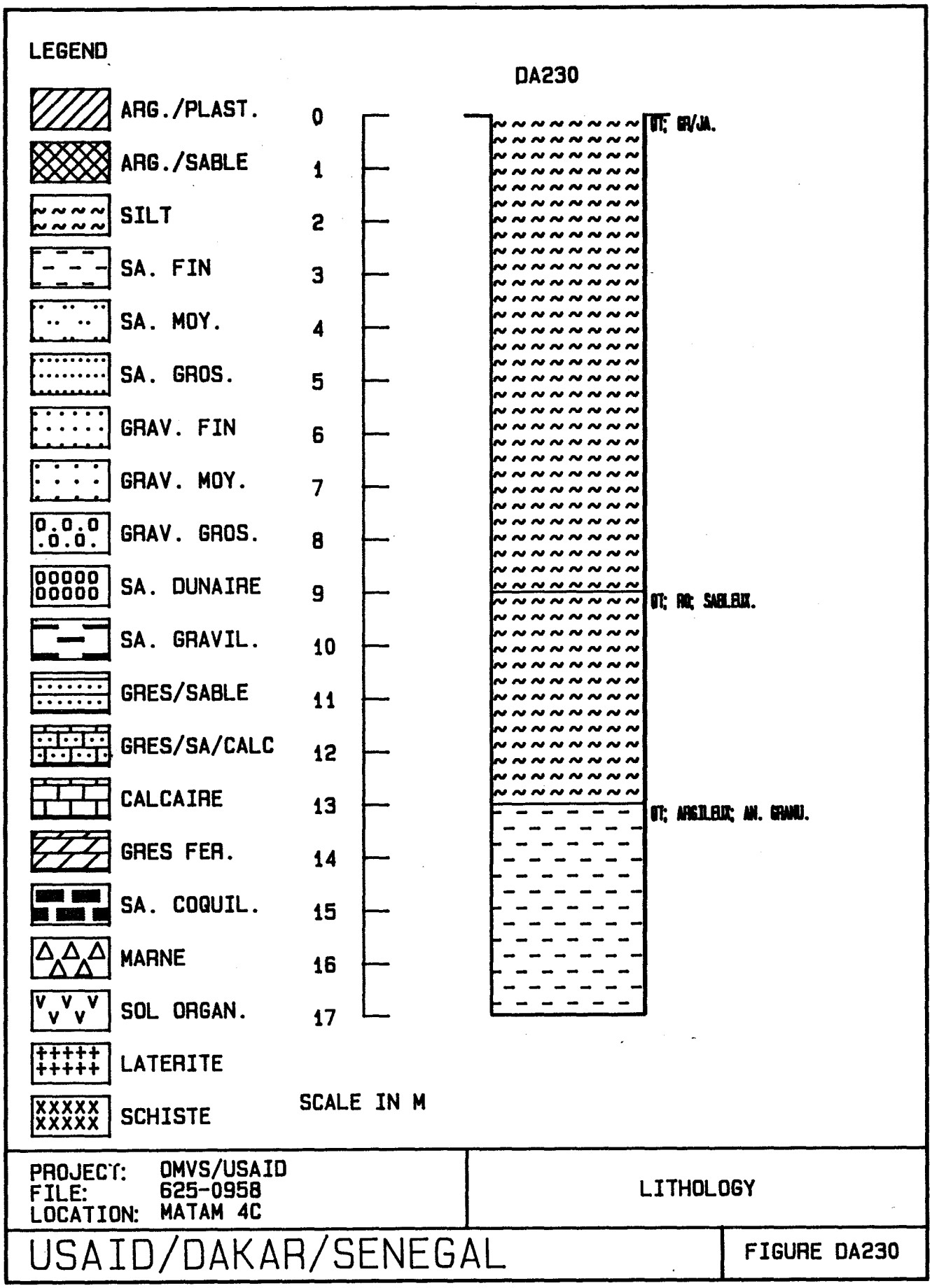
STATIC WATER LEVEL

PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: MATAM 4C

COUPE GEOLOGIQUE ET TECHNIQUE

USAID/DAKAR/SENEGAL

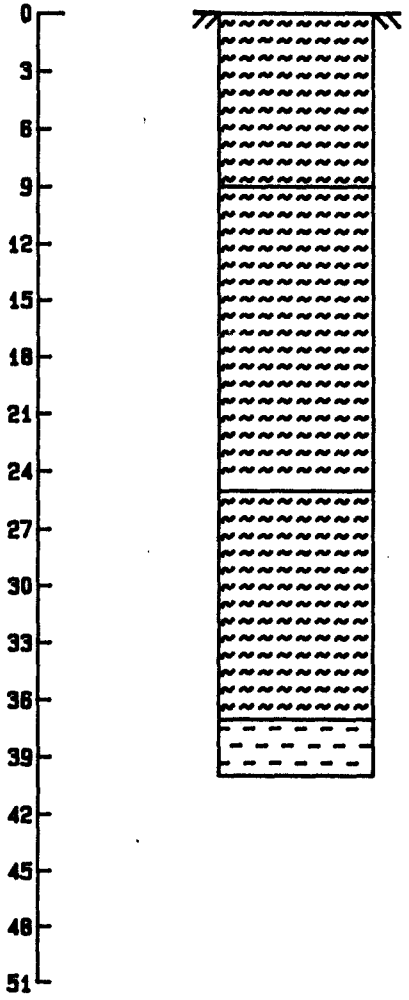
FIGURE: DA230


LEGEND
ARG./PLAST.
ARG./SABLE
SILT
SA. FIN
SA. MOY.
SA. GROS.
GRAV. FIN
GRAV. MOY.
GRAV. GROS.
SA. DUNAIRE
SA. GRAVIL.
GRES/SABLE
GRES/SA/CALC
CALCAIRE
GRES FER.
SA. COQUIL.
MARNE
SOL ORGAN.
LATERITE
SCHISTE
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
SCALE IN M
DA230
OT; GR/JA.
OT; RG; SABLEUX.
OT; ARGILEUX; AN. GRANU.
PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: MATAM 4C
LITHOLOGY
USAID/DAKAR/SENEGAL
FIGURE DA230

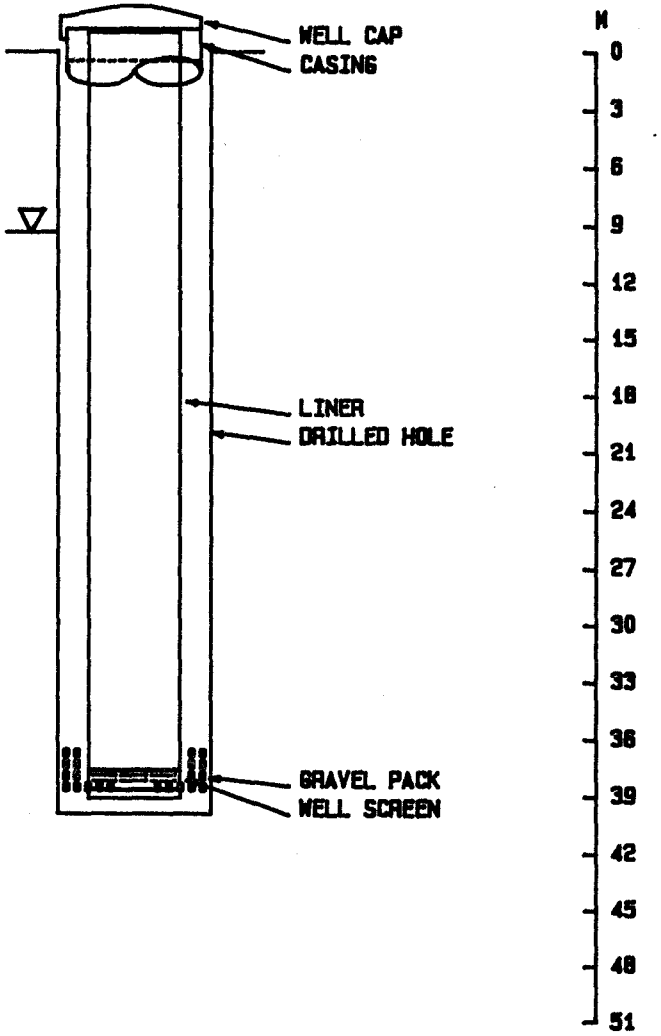
LEGEND

- ARG./PLAST.
- ARG./SABLE
- SILT
- SA. FIN
- SA. MOY.
- SA. GROS.
- GRAV. FIN
- GRAV. MOY.
- GRAV. GROS.
- SA. DUNAIRE
- SA. GRAVIL.
- GRES/SABLE
- GRES/SA/CALC
- CALCAIRE
- GRES FER.
- SA. COQUIL.
- MARNE
- SOL ORGAN.
- LATERITE
- SCHISTE

LITHOLOGY



WELL CONSTRUCTION DETAILS



▽ STATIC WATER LEVEL

SCALE: 1 CM= 3 M

PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: MATAM 4C

COUPE GEOLOGIQUE ET TECHNIQUE

USAID/DAKAR/SENEGAL

FIGURE: DA232

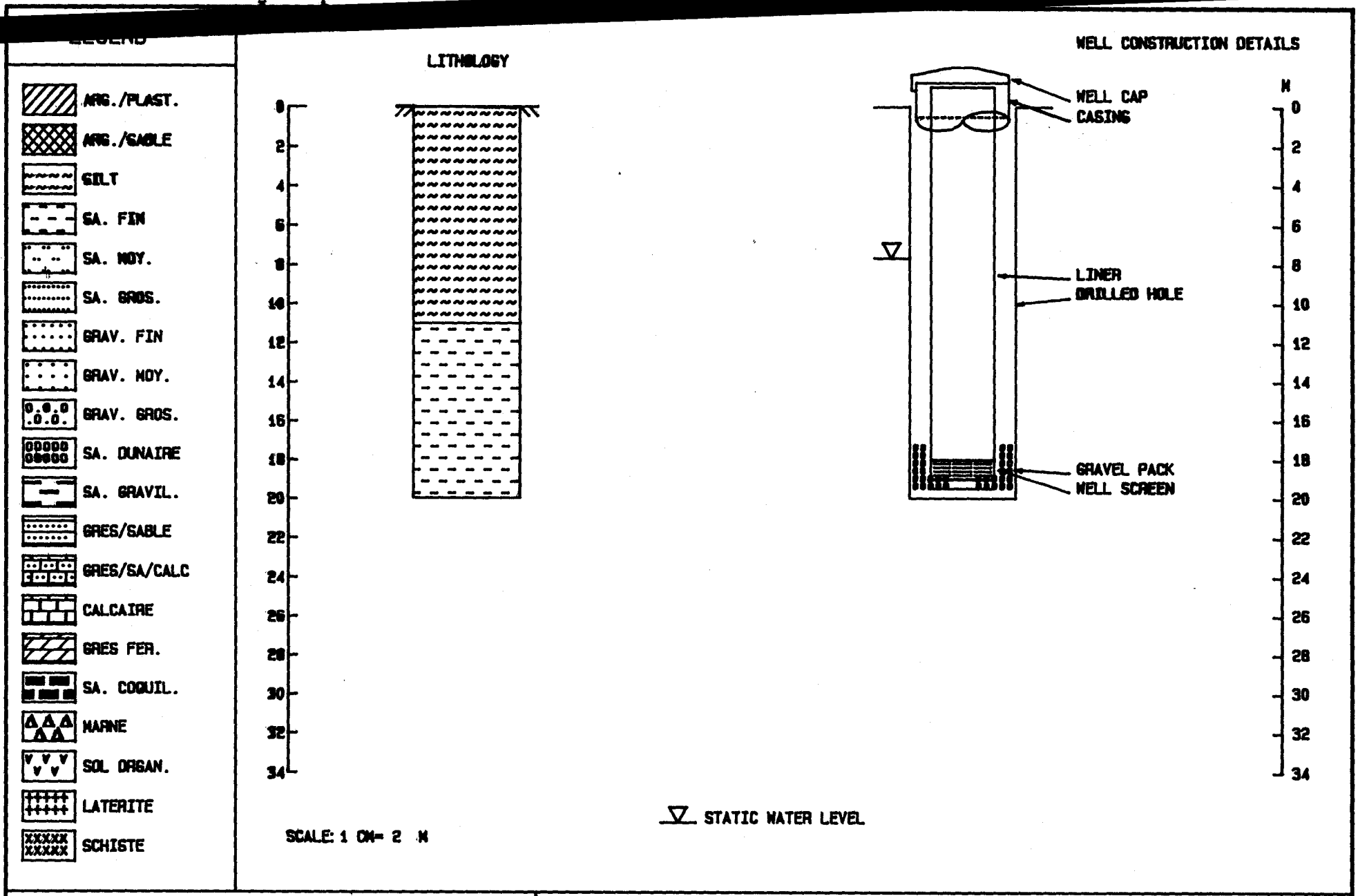
WELL LITHOLOGY

PROJECT:OMVS/USAID
LOCATION:MATAM 4C
WELL NO.:DA232
DRILLER:SAFOR

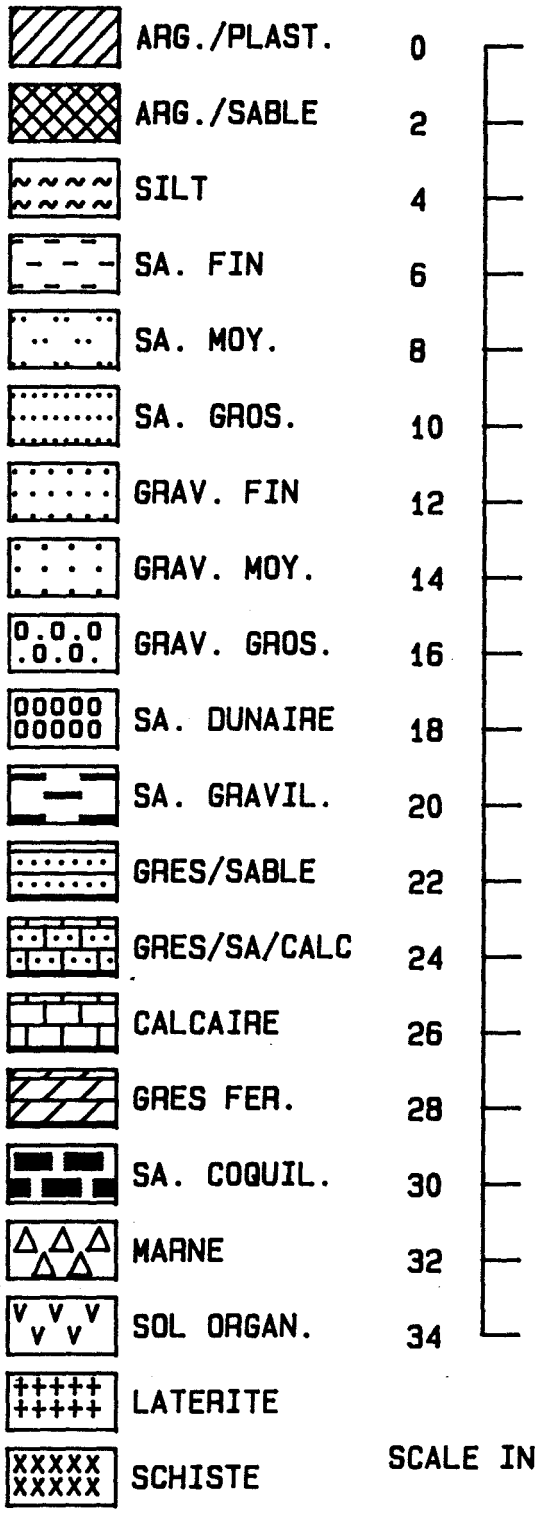
FILE NO.:625-0958
ELEVATION (M): 23.387
DATE DRILLED:13/11/87
TYPE OF RIG:ROTARY

DEPTH (M)		ELEVATION (M)		THICKNESS (M)	LITHOLOGY
FROM	TO	FROM	TO		
0.00	9.00	23.39	14.39	9.00	SILT,QT; SABLEUX/ARGILE
9.00	25.00	14.39	-1.61	16.00	SILT,QT; RO; ARGILEUX.
25.00	37.00	-1.61	-13.61	12.00	SILT,QT; RO; SABLEUX.
37.00	40.00	-13.61	-16.61	3.00	SA. FIN,QT; SILTEUX; MO

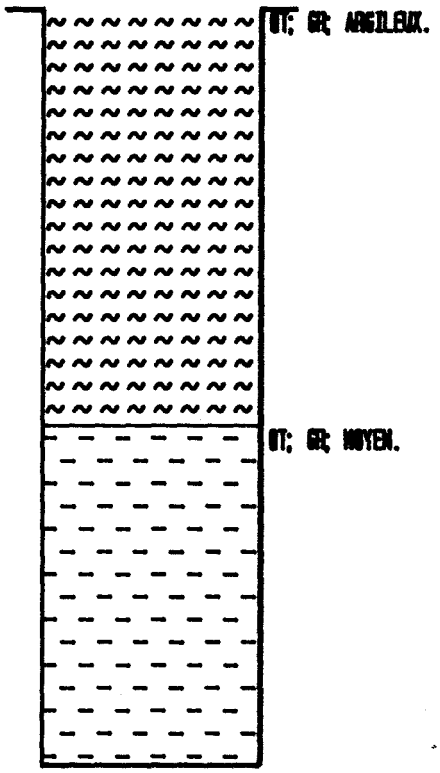
USAID/DAKAR/SENEGAL


LEGEND
ARG./PLAST.
ARG./SABLE
SILT
SA. FIN
SA. MOY.
SA. GROS.
GRAV. FIN
GRAV. MOY.
GRAV. GROS.
SA. DUNAIRE
SA. GRAVIL.
GRES/SABLE
GRES/SA/CALC
CALCAIRE
GRES FER.
SA. COQUIL.
MARNE
SOL ORGAN.
LATERITE
SCHISTE
LITHOLOGY
M
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
WELL CONSTRUCTION DETAILS
WELL CAP
CASING
LINER
DRILLED HOLE
GRAVEL PACK
WELL SCREEN
STATIC WATER LEVEL
SCALE: 1 CM= 2 M
PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: MATAM 4C
COUPE GEOLOGIQUE ET TECHNIQUE
USAID/DAKAR/SENEGAL
FIGURE: DA235

LEGEND



DA235



PROJECT: OMVS/USAID FILE: 625-0958 LOCATION: MATAM 4C	LITHOLOGY
USAID/DAKAR/SENEGAL	FIGURE DA235

WELL LITHOLOGY

PROJECT:OMVS/USAID
LOCATION:MATAM 4C
WELL NO.:DA235
DRILLER:SAFOR

FILE NO.:625-0958
ELEVATION (M): 23.837
DATE DRILLED:13/11/87
TYPE OF RIG:ROTARY

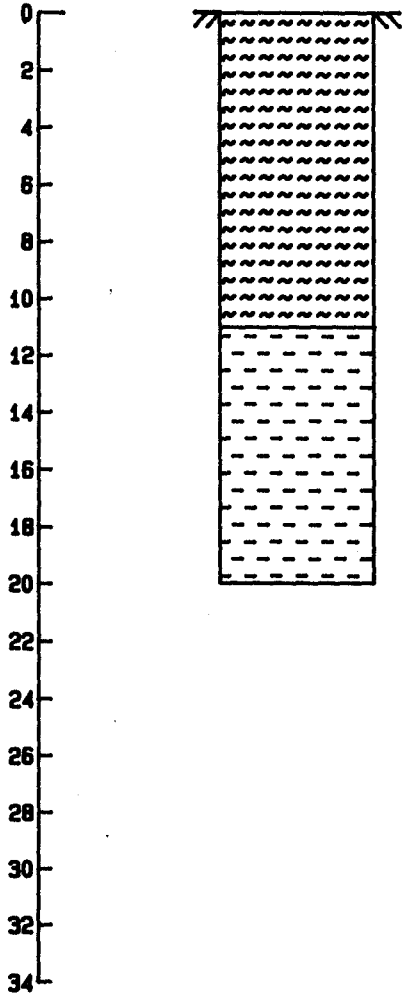
DEPTH (M)		ELEVATION (M)		THICKNESS (M)	LITHOLOGY
FROM	TO	FROM	TO		
0.00	11.00	23.84	12.84	11.00	SILT,GT; GR; ARGILEUX.
11.00	20.00	12.84	3.84	9.00	SA. FIN,GT; GR; MOYEN.

USAID/DAKAR/SENEGAL

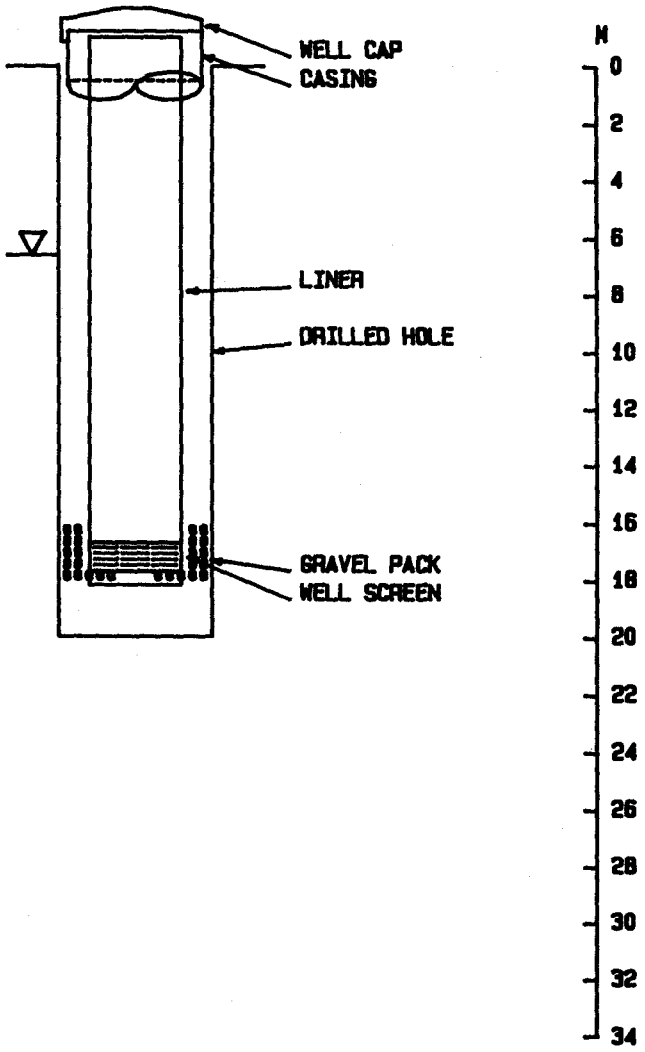
LEGEND

- ARG./PLAST.
- ARG./SABLE
- SILT
- SA. FIN
- SA. MOY.
- SA. GROS.
- GRAV. FIN
- GRAV. MOY.
- GRAV. GROS.
- SA. DUNAIRE
- SA. GRAVIL.
- GRES/SABLE
- GRES/SA/CALC
- CALCAIRE
- GRES FER.
- SA. COQUIL.
- MARNE
- SOL ORGAN.
- LATERITE
- SCHISTE

LITHOLOGY



WELL CONSTRUCTION DETAILS



▽ STATIC WATER LEVEL

SCALE: 1 CM= 2 M

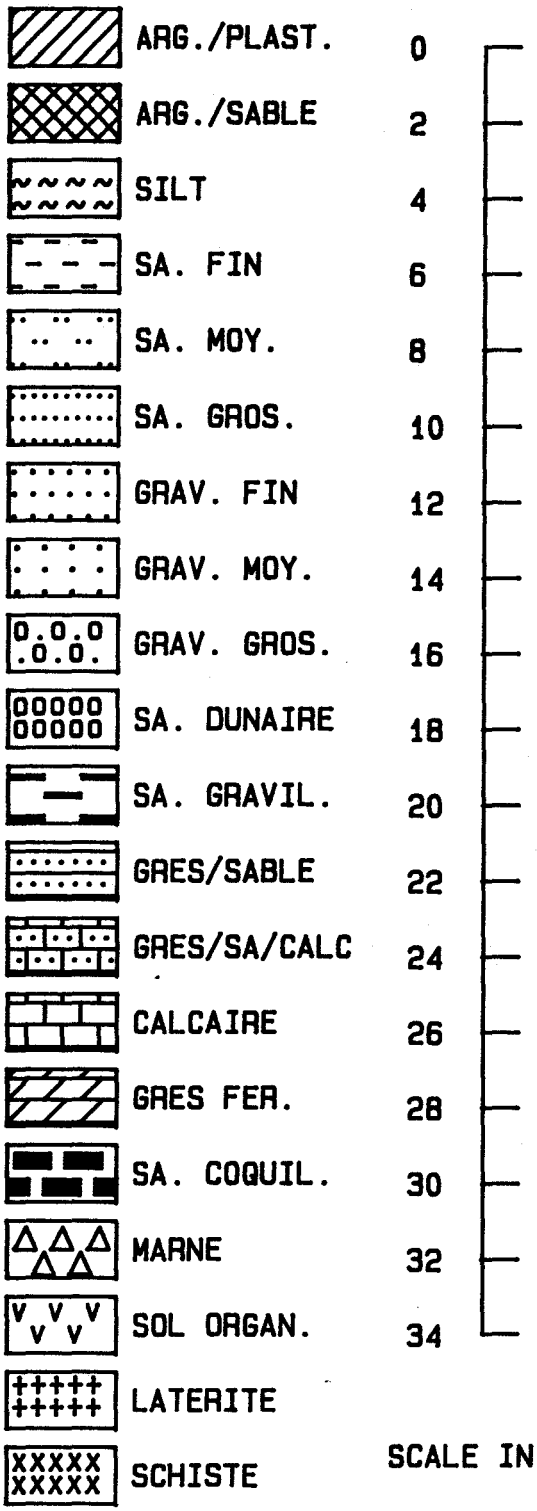
PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: MATAM 4C

COUPE GEOLOGIQUE ET TECHNIQUE

USAID/DAKAR/SENEGAL

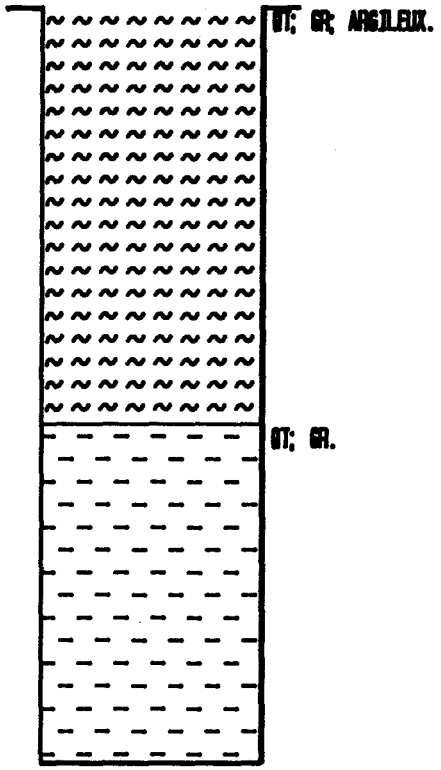
FIGURE: DA236

LEGEND



SCALE IN M

DA236



PROJECT: OMVS/USAID FILE: 625-0958 LOCATION: MATAM 4C	LITHOLOGY
USAID/DAKAR/SENEGAL	FIGURE DA236

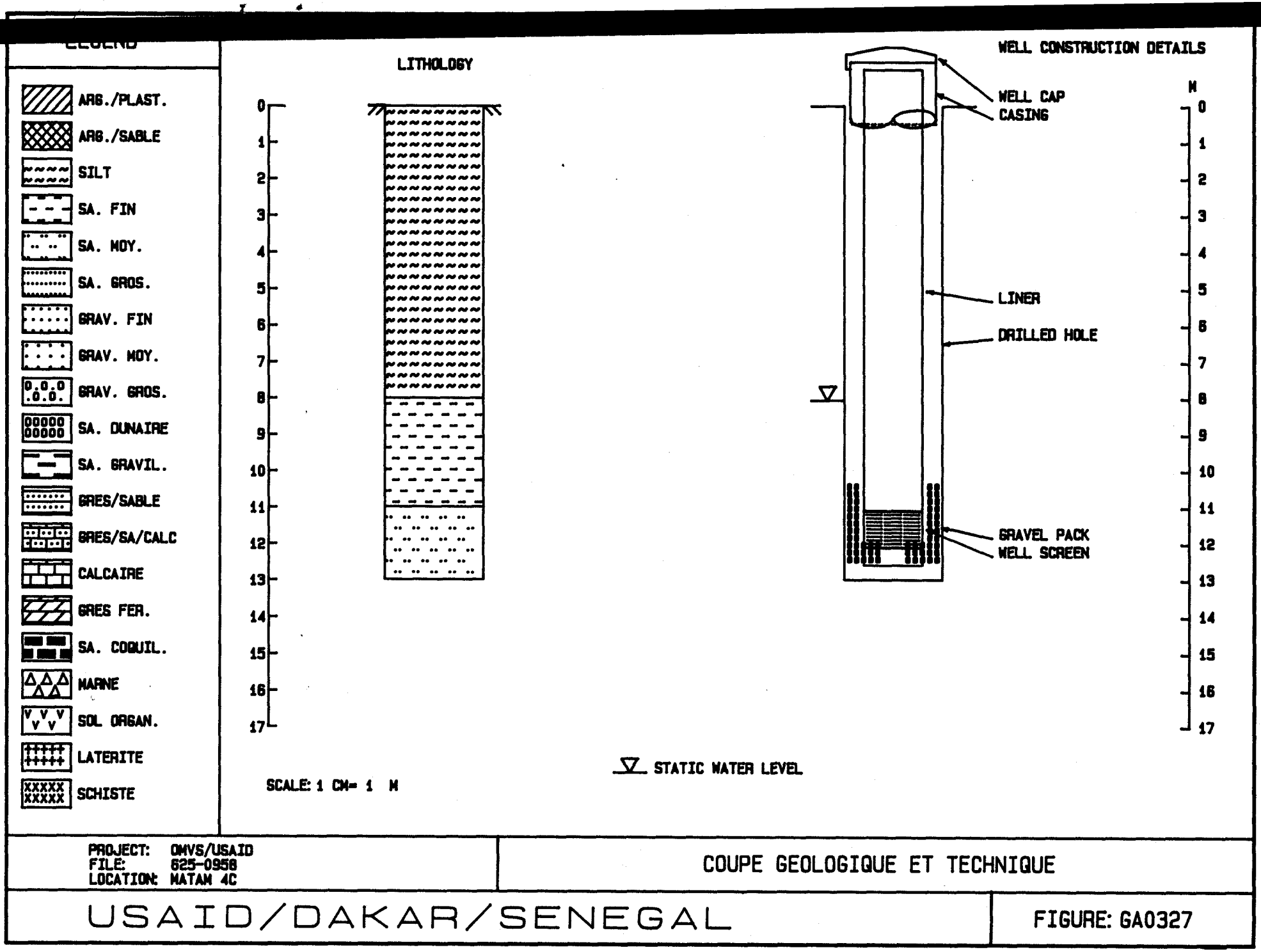
WELL LITHOLOGY

PROJECT:OMVS/USAID
LOCATION:MATAM 4C
WELL NO.:DA236
DRILLER:SAFOR

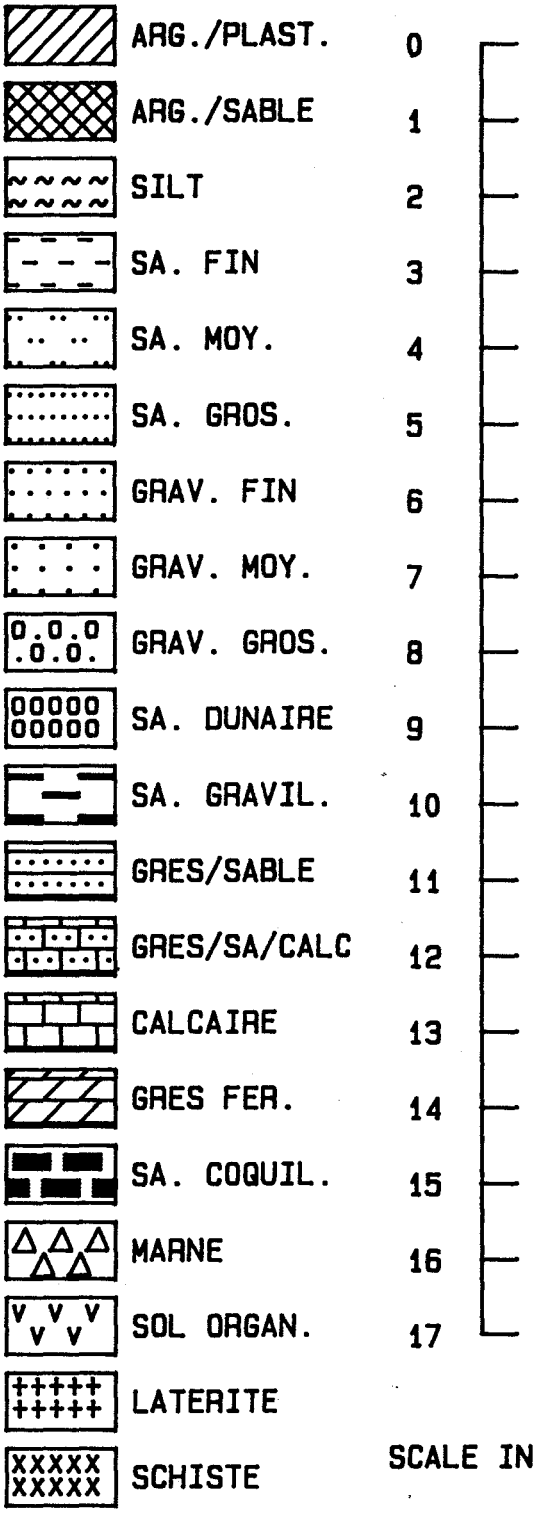
FILE NO.:625-0958
ELEVATION (M): 23.903
DATE DRILLED:13/11/87
TYPE OF RIG:ROTARY

DEPTH (M)		ELEVATION (M)		THICKNESS (M)	LITHOLOGY
FROM	TO	FROM	TO		
0.00	11.00	23.90	12.90	11.00	SILT,QT; GR; ARGILEUX.
11.00	20.00	12.90	3.90	9.00	SA. FIN,QT; GR.

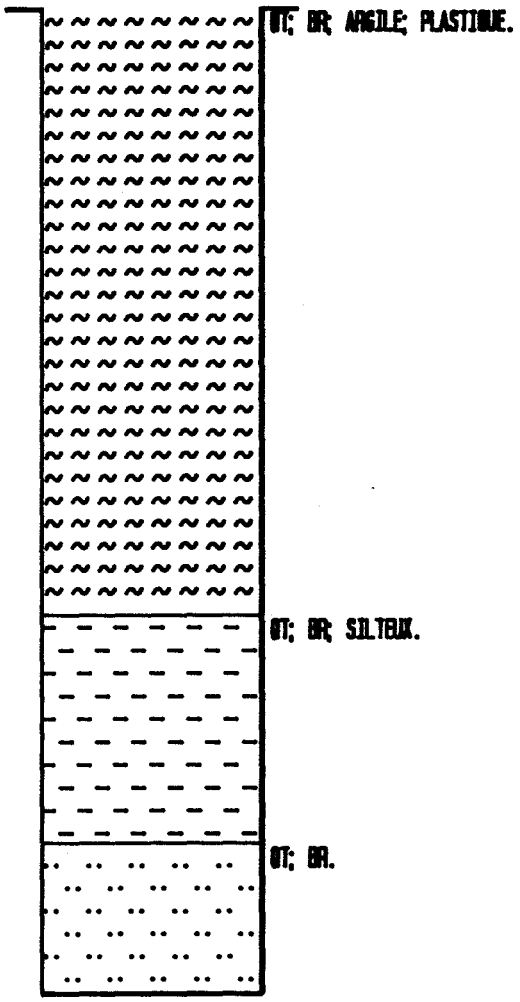
USAID/DAKAR/SENEGAL


LEGEND
ARG./PLAST.
ARG./SABLE
SILT
SA. FIN
SA. MOY.
SA. GROS.
GRAV. FIN
GRAV. MOY.
GRAV. GROS.
SA. DUNAIRE
SA. GRAVIL.
GRES/SABLE
GRES/SA/CALC
CALCAIRE
GRES FER.
SA. COQUIL.
MARNE
SOL ORGAN.
LATERITE
SCHISTE
LITHOLOGY
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
SCALE: 1 CM= 1 M
WELL CONSTRUCTION DETAILS
M
WELL CAP
CASING
LINER
DRILLED HOLE
GRAVEL PACK
WELL SCREEN
STATIC WATER LEVEL
PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: MATAM 4C
COUPE GEOLOGIQUE ET TECHNIQUE
USAID/DAKAR/SENEGAL
FIGURE: GA0327

LEGEND



GA0327



PROJECT: OMVS/USAID FILE: 625-0958 LOCATION: MATAM 4C	LITHOLOGY
USAID/DAKAR/SENEGAL	FIGURE GA0327

WELL LITHOLOGY

PROJECT:OMVS/USAID
LOCATION:MATAM 4C
WELL NO.:GA0327
DRILLER:SAFOR

FILE NO.:625-0958
ELEVATION (M): 14.982
DATE DRILLED:20/12/87
TYPE OF RIG:ROTARY

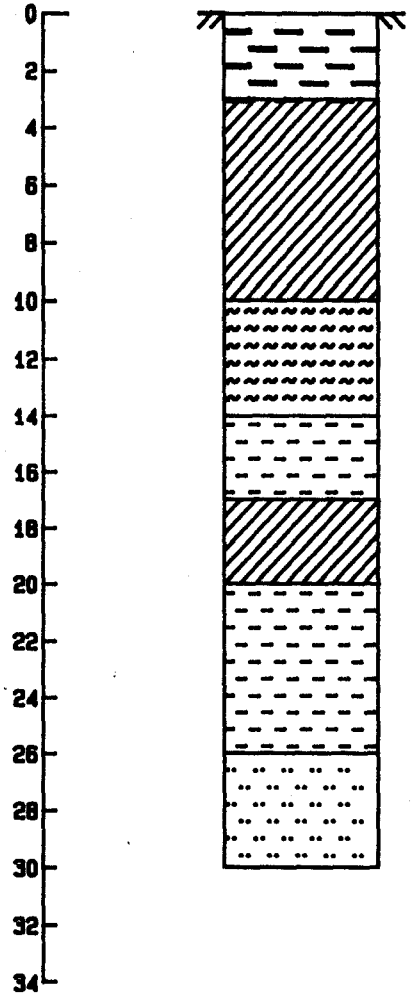
DEPTH (M)		ELEVATION (M)		THICKNESS (M)	LITHOLOGY
FROM	TO	FROM	TO		
0.00	8.00	14.98	6.98	8.00	SILT,QT; BR; ARGILE; PL
8.00	11.00	6.98	3.98	3.00	SA. FIN,QT; BR; SILTEUX
11.00	13.00	3.98	1.98	2.00	SA. MOY.,QT; BR.

USAID/DAKAR/SENEGAL

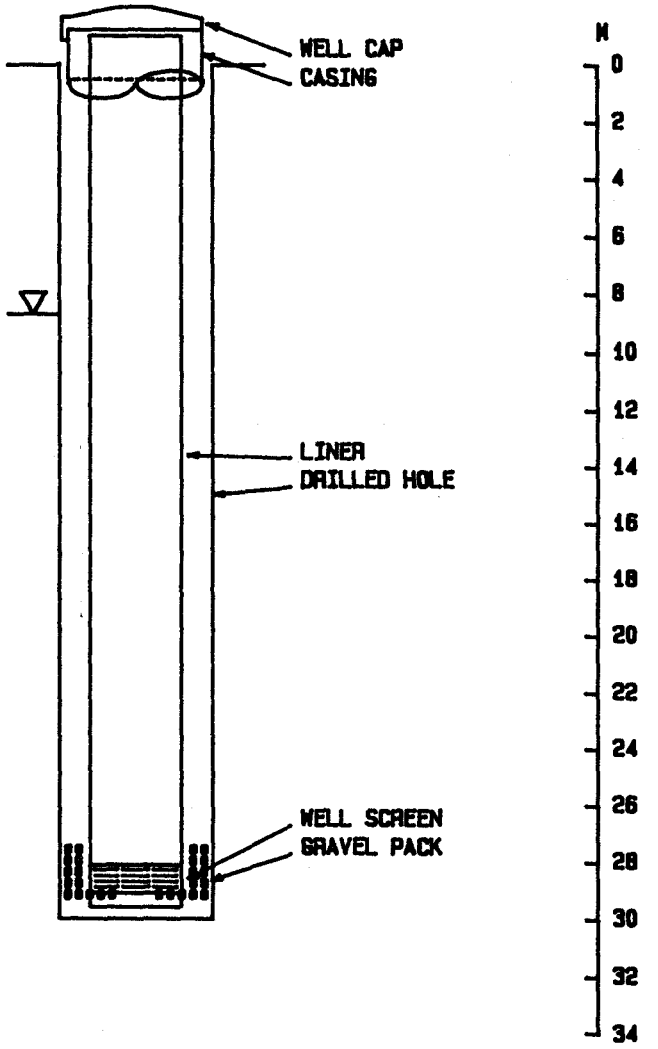
LEGEND

- ARG./PLAST.
- ARG./SABLE
- SILT
- SA. FIN
- SA. MOY.
- SA. GROS.
- GRAV. FIN
- GRAV. MOY.
- GRAV. GROS.
- SA. DUNAIRE
- SA. GRAVIL.
- GRES/SABLE
- GRES/SA/CALC
- CALCAIRE
- GRES FER.
- SA. COQUIL.
- MARNE
- SOL ORGAN.
- LATERITE
- SCHISTE

LITHOLOGY



WELL CONSTRUCTION DETAILS



▽ STATIC WATER LEVEL

SCALE: 1 CM= 2 M

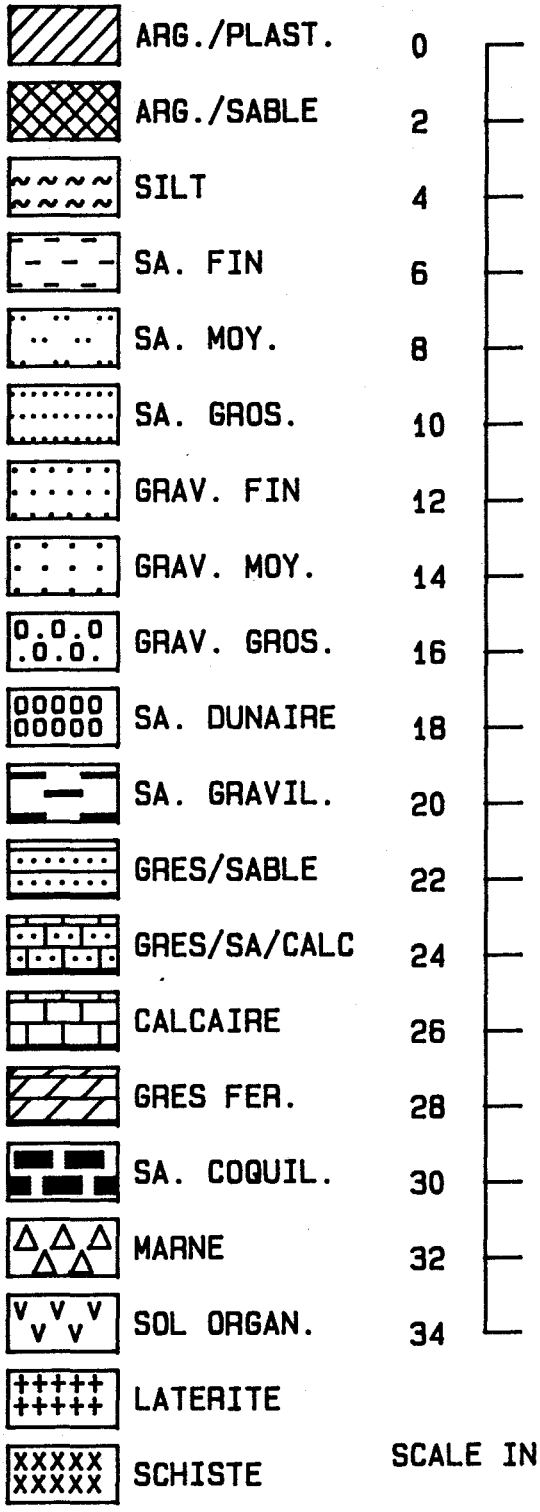
PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: MATAM 4C

COUPE GEOLOGIQUE ET TECHNIQUE

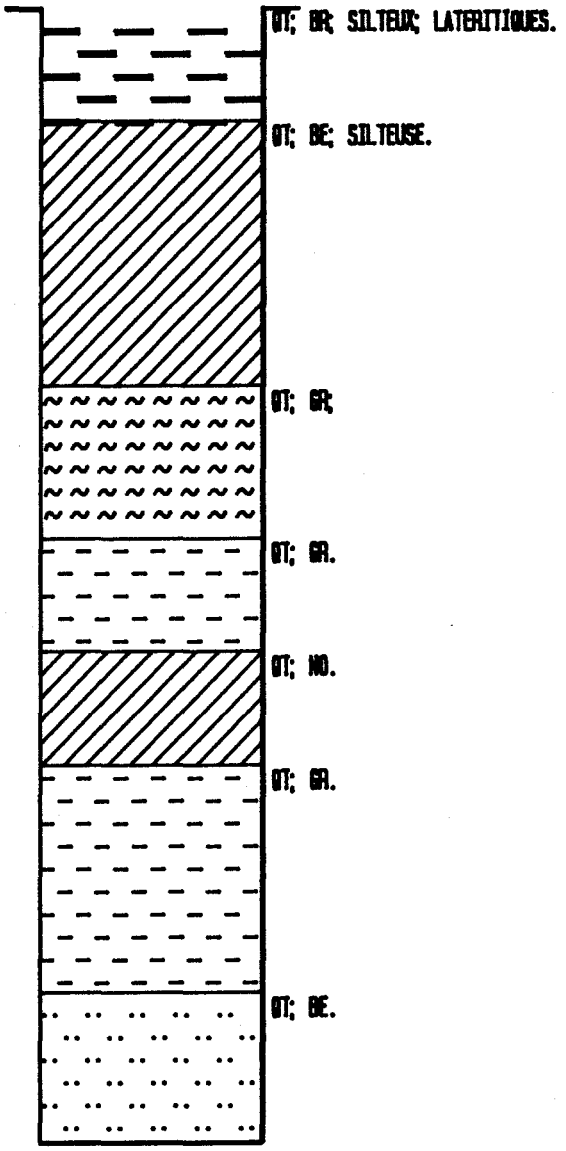
USAID/DAKAR/SENEGAL

FIGURE: GA0328

LEGEND



GA0328



PROJECT: OMVS/USAID FILE: 625-0958 LOCATION: MATAM 4C	LITHOLOGY
USAID/DAKAR/SENEGAL	FIGURE GA0328

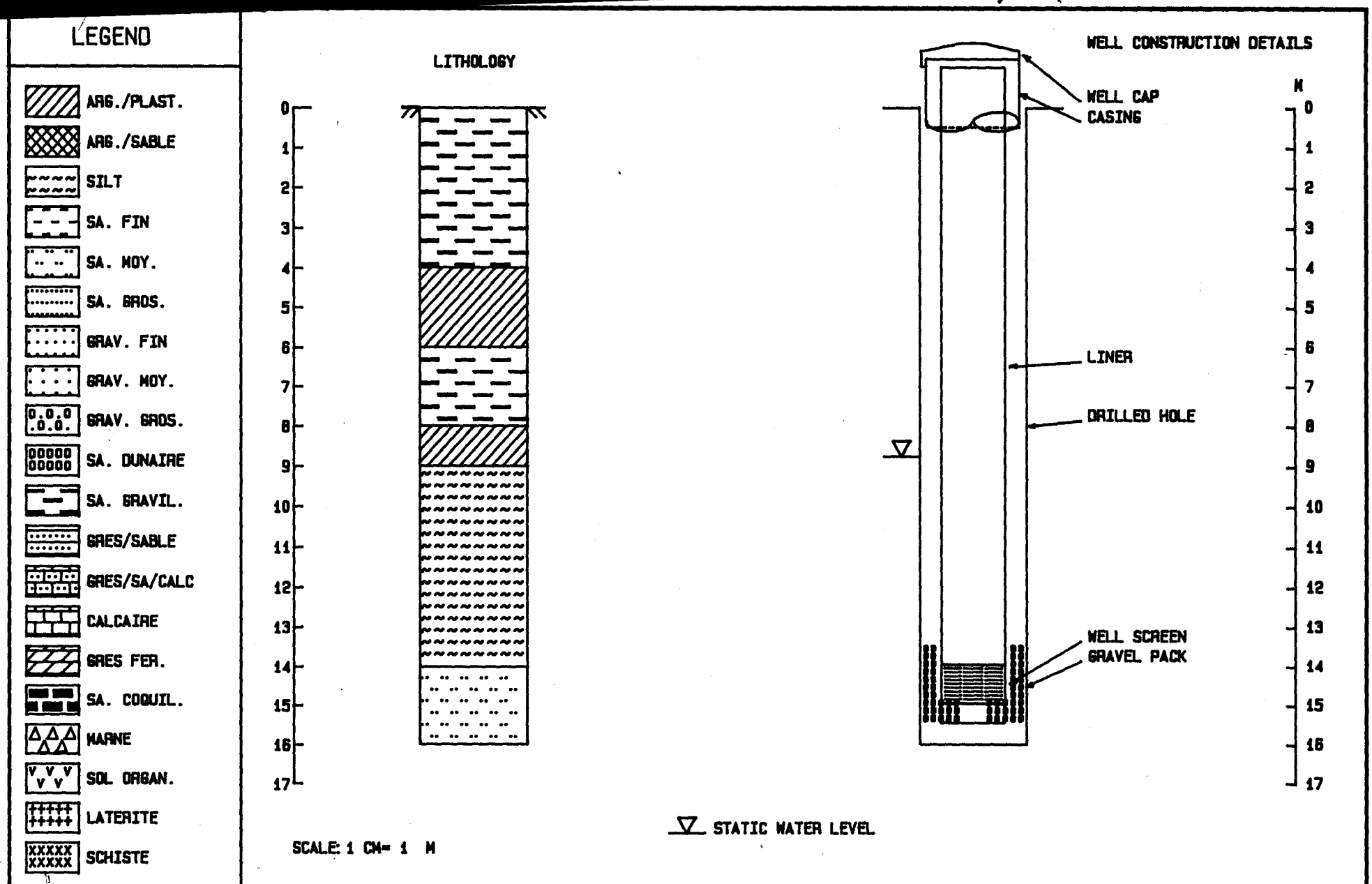
WELL LITHOLOGY

PROJECT:OMVS/USAID
LOCATION:MATAM 4C
WELL NO.:GA0328
DRILLER:SAFOR

FILE NO.:625-0958
ELEVATION (M): 13.927
DATE DRILLED:22/12/87
TYPE OF RIG:ROTARY

DEPTH (M)		ELEVATION (M)		THICKNESS (M)	LITHOLOGY
FROM	TO	FROM	TO		
0.00	3.00	13.93	10.93	3.00	SA. GRAVIL.,QT; BR; SIL
3.00	10.00	10.93	3.93	7.00	ARG./PLAST.,QT; BE; SIL
10.00	14.00	3.93	-0.07	4.00	SILT,QT; GR;
14.00	17.00	-0.07	-3.07	3.00	SA. FIN,QT; GR.
17.00	20.00	-3.07	-6.07	3.00	ARG./PLAST.,QT; NO.
20.00	26.00	-6.07	-12.07	6.00	SA. FIN,QT; GR.
26.00	30.00	-12.07	-16.07	4.00	SA. MOY.,QT; BE.

USAID/DAKAR/SENEGAL



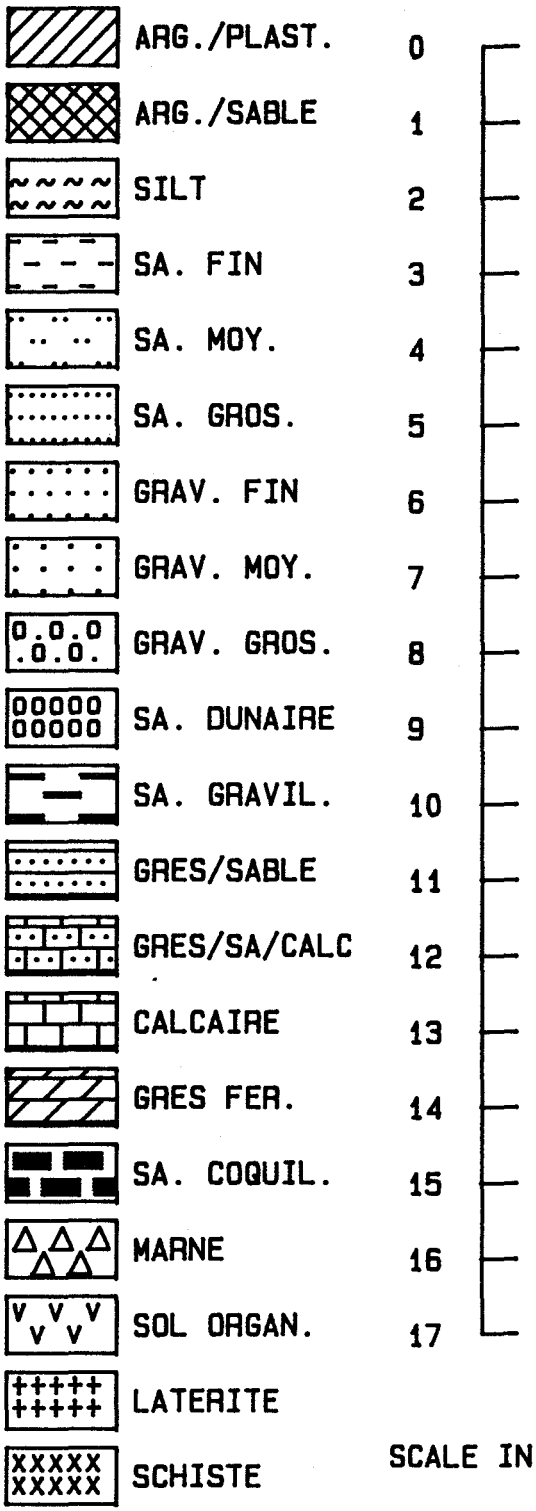
PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: MATAM 4C

COUPE GEOLOGIQUE ET TECHNIQUE

USAID/DAKAR/SENEGAL

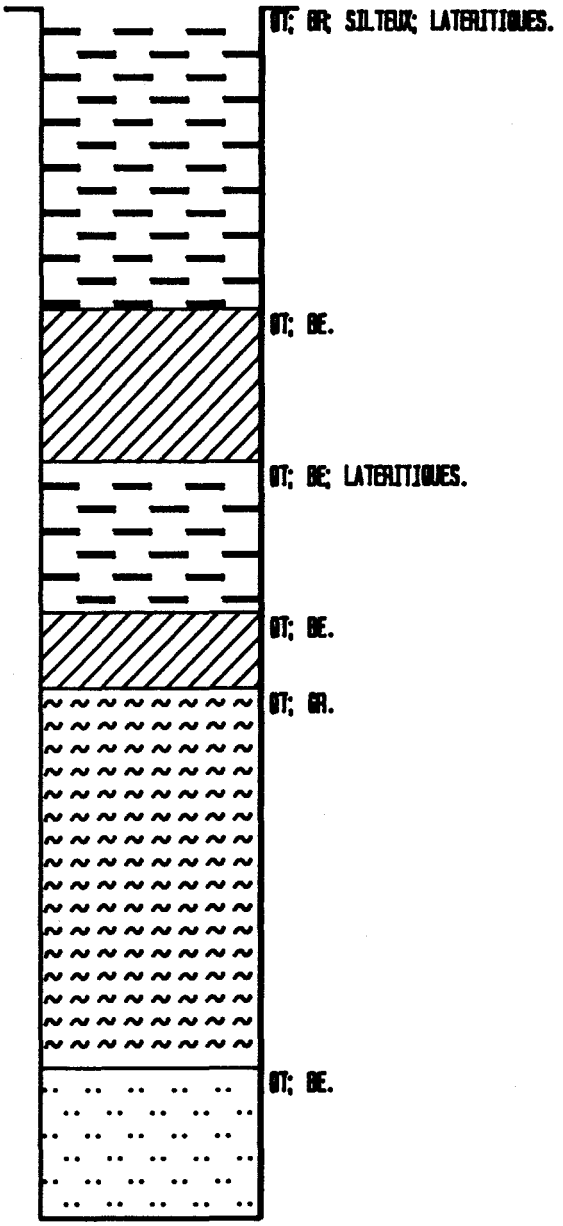
FIGURE: GA0329

LEGEND



SCALE IN M

GA0329



PROJECT: OMVS/USAID FILE: 625-0958 LOCATION: MATAM 4C	LITHOLOGY
USAID/DAKAR/SENEGAL	FIGURE GA0329

WELL LITHOLOGY

PROJECT:OMVS/USAID
LOCATION:MATAM 4C
WELL NO.:GA0329
DRILLER:SAFOR

FILE NO.:625-0958
ELEVATION (M): 13.962
DATE DRILLED:22/12/87
TYPE OF RIG:ROTARY

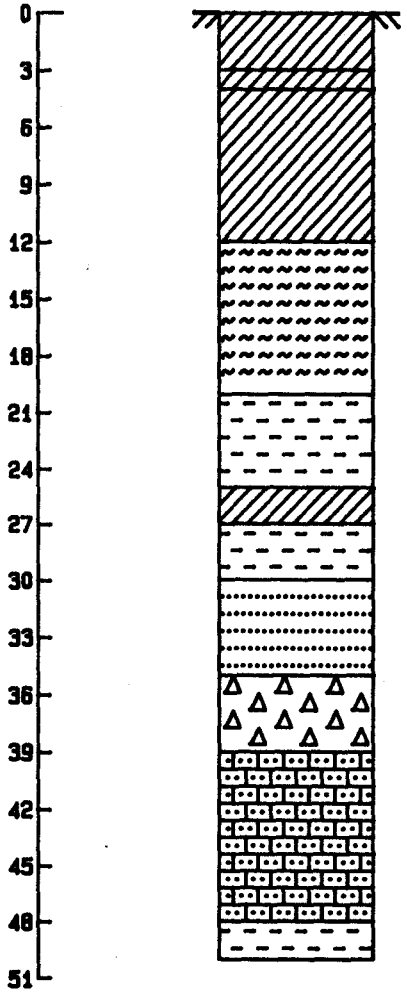
DEPTH (M)		ELEVATION (M)		THICKNESS (M)	LITHOLOGY
FROM	TO	FROM	TO		
0.00	4.00	13.96	9.96	4.00	SA. GRAVIL.,QT; BR; SIL
4.00	6.00	9.96	7.96	2.00	ARG./PLAST.,QT; BE.
6.00	8.00	7.96	5.96	2.00	SA. GRAVIL.,QT; BE; LAT
8.00	9.00	5.96	4.96	1.00	ARG./PLAST.,QT; BE.
9.00	14.00	4.96	-0.04	5.00	SILT,QT; GR.
14.00	16.00	-0.04	-2.04	2.00	SA. MOY.,QT; BE.

USAID/DAKAR/SENEGAL

LEGEND

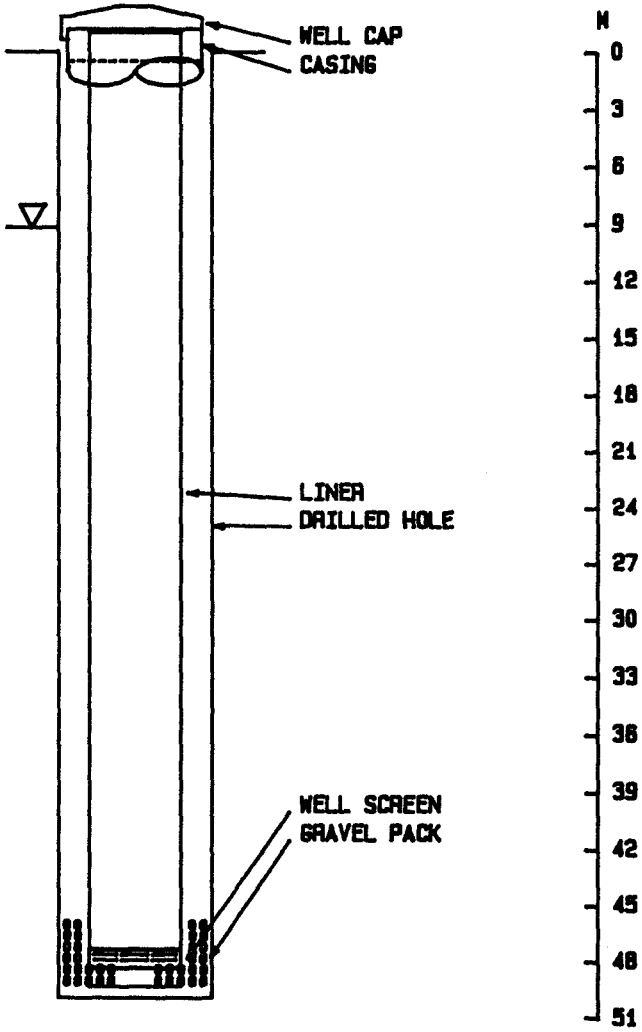
- ARG./PLAST.
- ARG./SABLE
- SILT
- SA. FIN
- SA. MOY.
- SA. GROS.
- GRAV. FIN
- GRAV. MOY.
- GRAV. GROS.
- SA. DUNAIRE
- SA. GRAVIL.
- GRES/SABLE
- GRES/SA/CALC
- CALCAIRE
- GRES FER.
- SA. COQUIL.
- MARNE
- SOL ORGAN.
- LATERITE
- SCHISTE

LITHOLOGY



SCALE: 1 CM= 3 M

WELL CONSTRUCTION DETAILS



STATIC WATER LEVEL

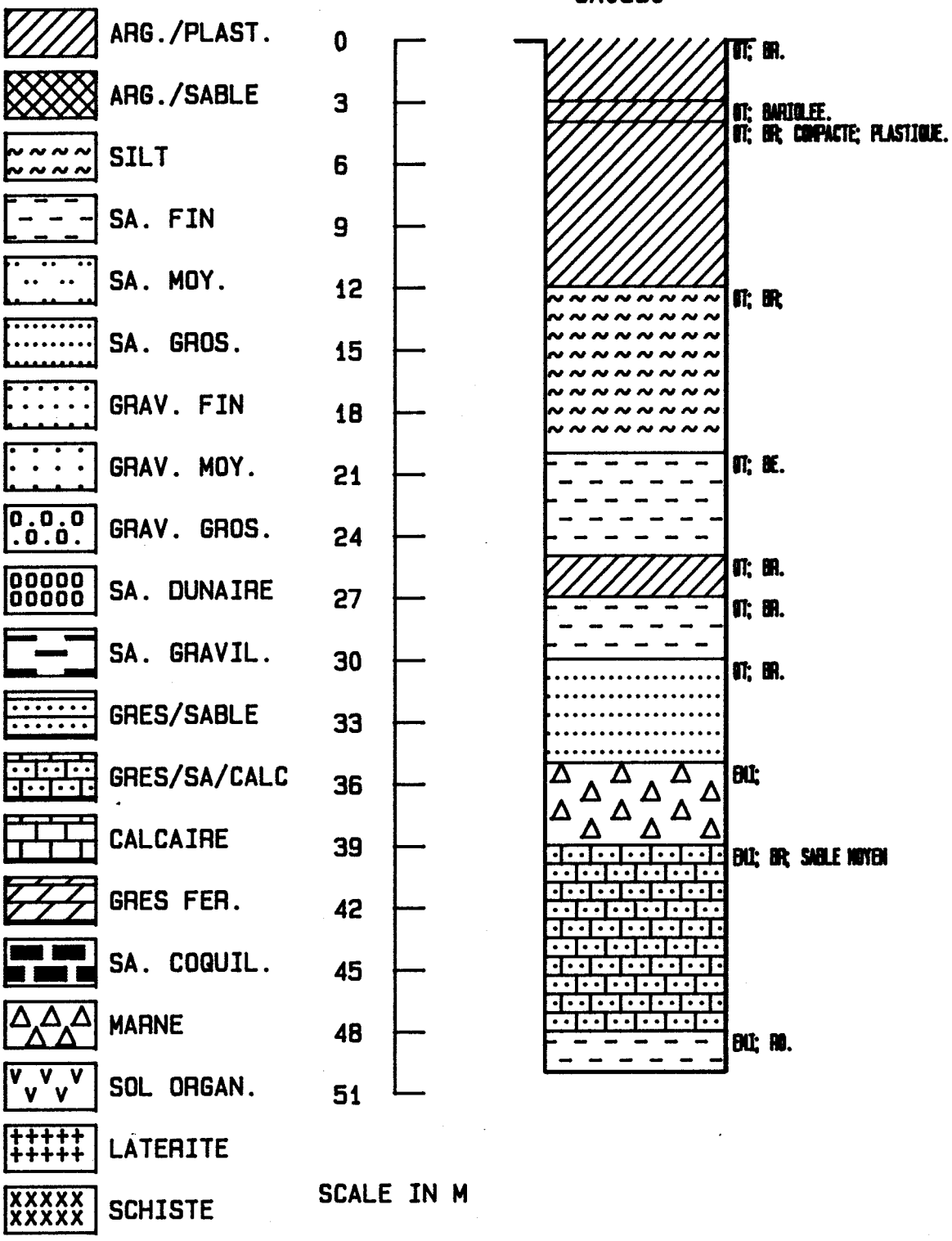
PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: MATAM 4C

COUPE GEOLOGIQUE ET TECHNIQUE

USAID/DAKAR/SENEGAL

FIGURE: GA0330

LEGEND



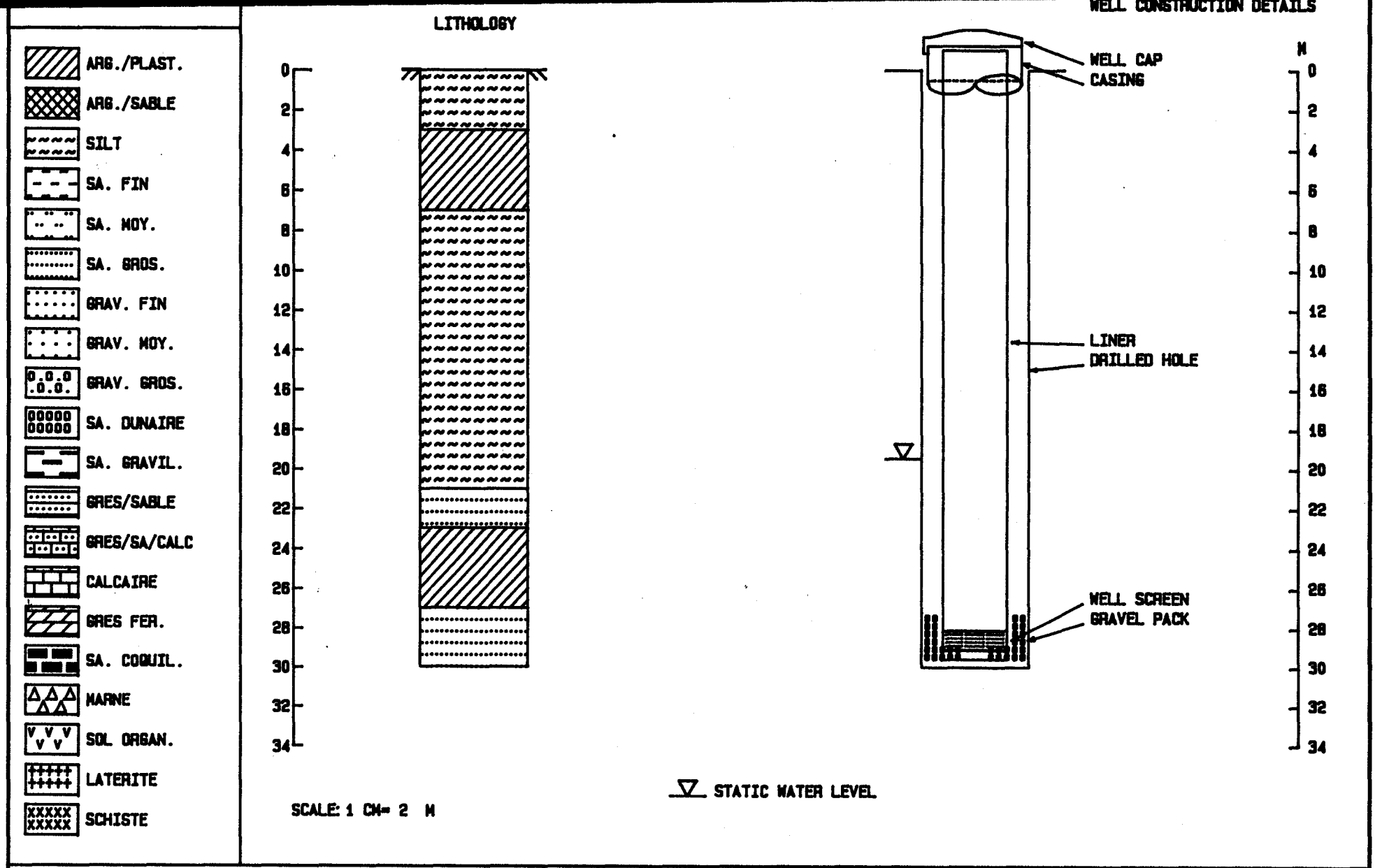
PROJECT: OMVS/USAID FILE: 625-0958 LOCATION: MATAM 4C	LITHOLOGY
USAID/DAKAR/SENEGAL	FIGURE GA0330

WELL LITHOLOGY

PROJECT:OMVS/USAID
LOCATION:MATAM 4C
WELL NO.:GA0330
DRILLER:SAFOR

FILE NO.:625-0958
ELEVATION (M): 12.63
DATE DRILLED:21/12/87
TYPE OF RIG:ROTARY

DEPTH (M)		ELEVATION (M)		THICKNESS (M)	LITHOLOGY
FROM	TO	FROM	TO		
0.00	3.00	12.63	9.63	3.00	ARG./PLAST.,QT; BR.
3.00	4.00	9.63	8.63	1.00	ARG./PLAST.,QT; BARIOLE
4.00	12.00	8.63	0.63	8.00	ARG./PLAST.,QT; BR; COM
12.00	20.00	0.63	-7.37	8.00	SILT,QT; BR;
20.00	25.00	-7.37	-12.37	5.00	SA. FIN,QT; BE.
25.00	27.00	-12.37	-14.37	2.00	ARG./PLAST.,QT; BR.
27.00	30.00	-14.37	-17.37	3.00	SA. FIN,QT; BR.
30.00	35.00	-17.37	-22.37	5.00	SA. GROS.,QT; BR.
35.00	39.00	-22.37	-26.37	4.00	MARNE,EMI;
39.00	48.00	-26.37	-35.37	9.00	GRES/SA/CALC,EMI; BR; S
48.00	50.00	-35.37	-37.37	2.00	SA. FIN,EMI; RO.



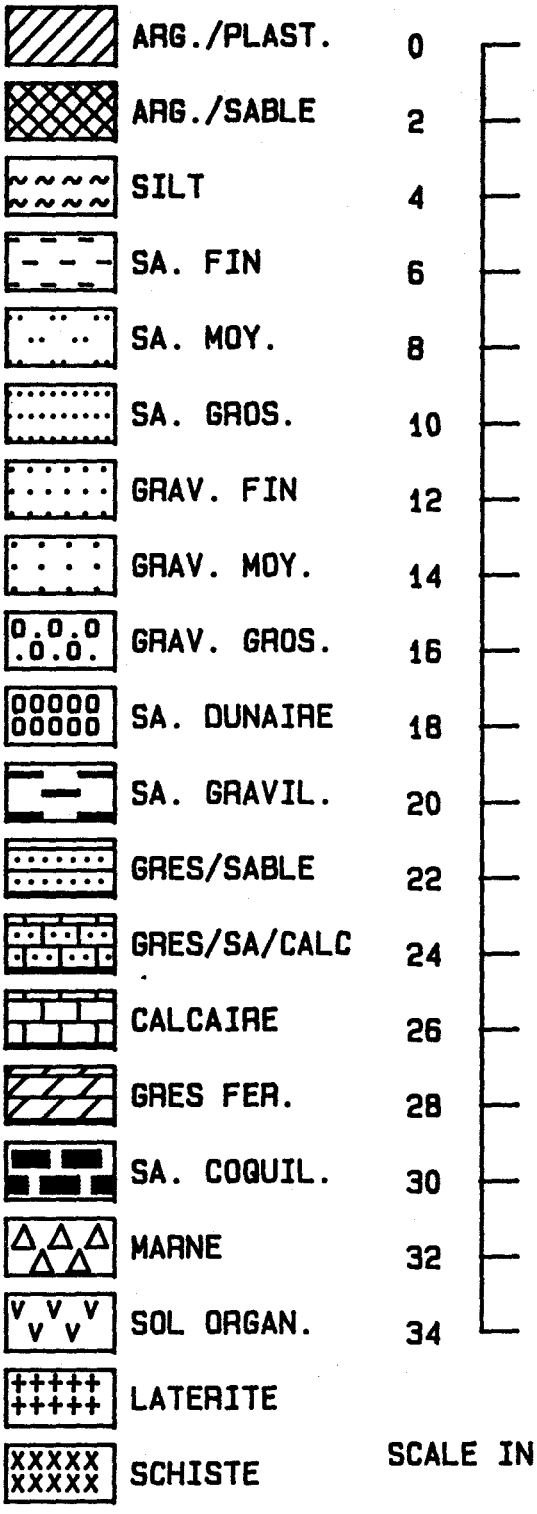
PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: MATAM 4C

COUPE GEOLOGIQUE ET TECHNIQUE

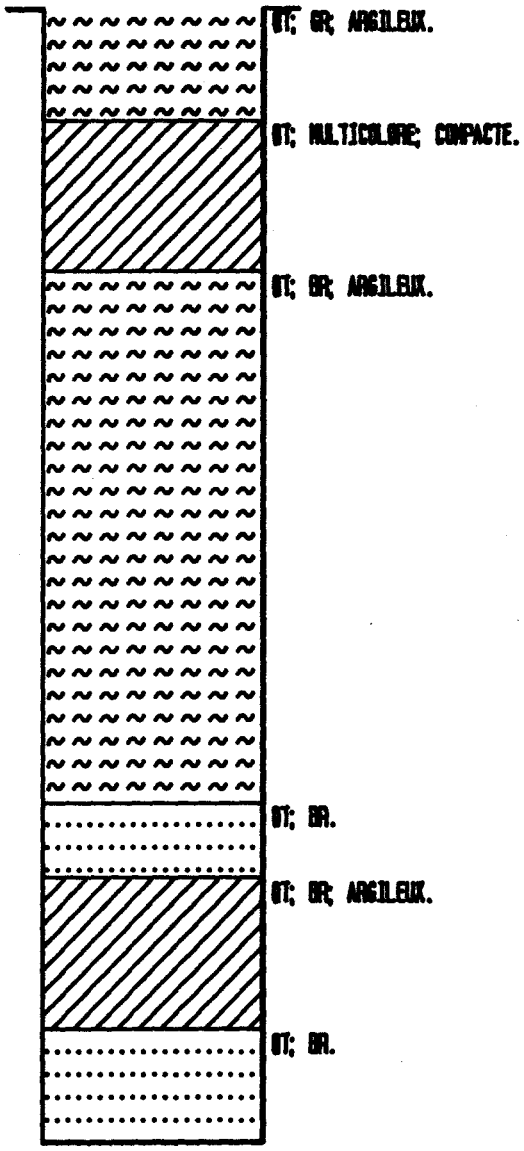
USAID/DAKAR/SENEGAL

FIGURE: GA0331

LEGEND



GA0331



PROJECT: OMVS/USAID FILE: 625-0958 LOCATION: MATAM 4C	LITHOLOGY
USAID/DAKAR/SENEGAL	FIGURE GA0331

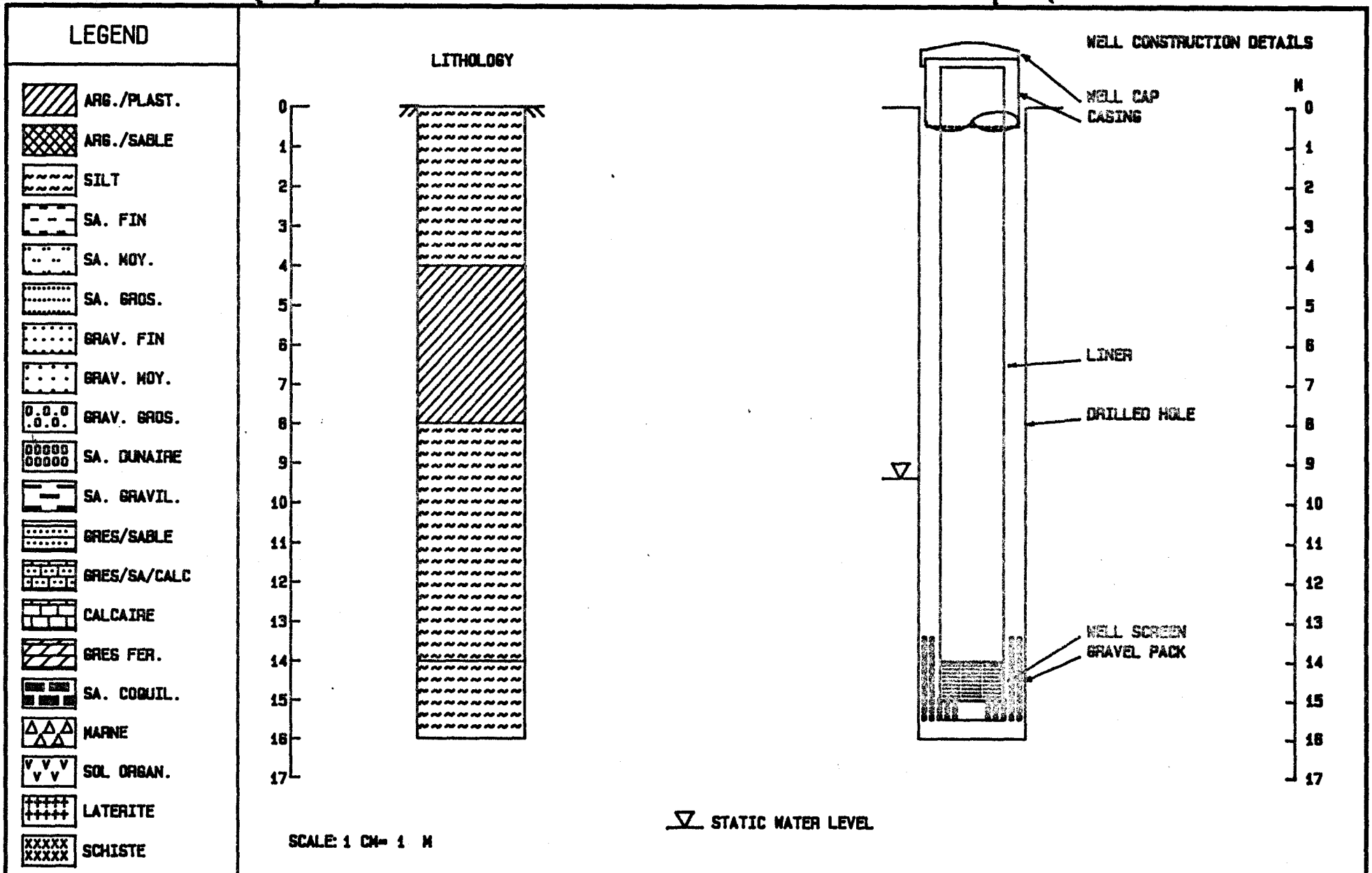
WELL LITHOLOGY

PROJECT:ONVS/USAID
LOCATION:MATAM 4C
WELL NO.:GA0331
DRILLER:SAFOR

FILE NO.:625-0958
ELEVATION (M): 12.662
DATE DRILLED:21/12/87
TYPE OF RIG:ROTARY

DEPTH (M)		ELEVATION (M)		THICKNESS (M)	LITHOLOGY
ROM	TO	FROM	TO		
0.00	3.00	12.66	9.66	3.00	SILT,QT; GR; ARGILEUX.
3.00	7.00	9.66	5.66	4.00	ARG./PLAST.,QT; MULTICO
7.00	21.00	5.66	-8.34	14.00	SILT,QT; BR; ARGILEUX.
1.00	23.00	-8.34	-10.34	2.00	SA. GROS.,QT; BR.
3.00	27.00	-10.34	-14.34	4.00	ARG./PLAST.,QT; BR; ARG
7.00	30.00	-14.34	-17.34	3.00	SA. GROS.,QT; BR.

USAID/DAKAR/SENEGAL



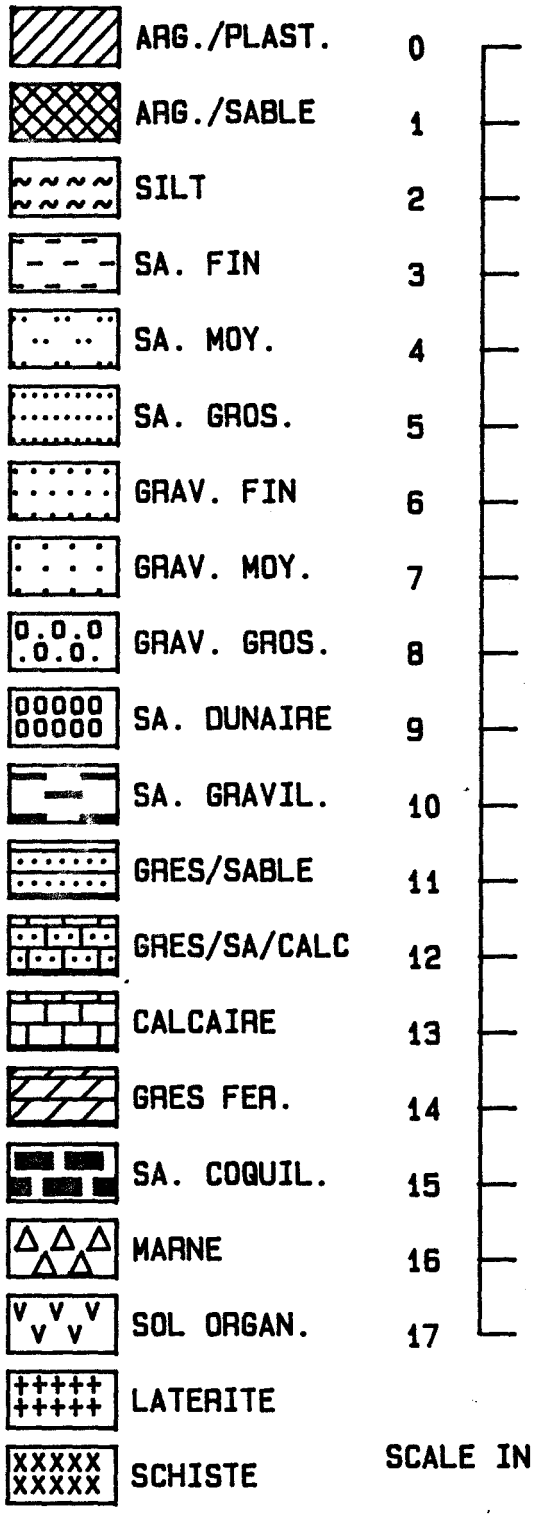
PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: MATAM 4C

COUPE GEOLOGIQUE ET TECHNIQUE

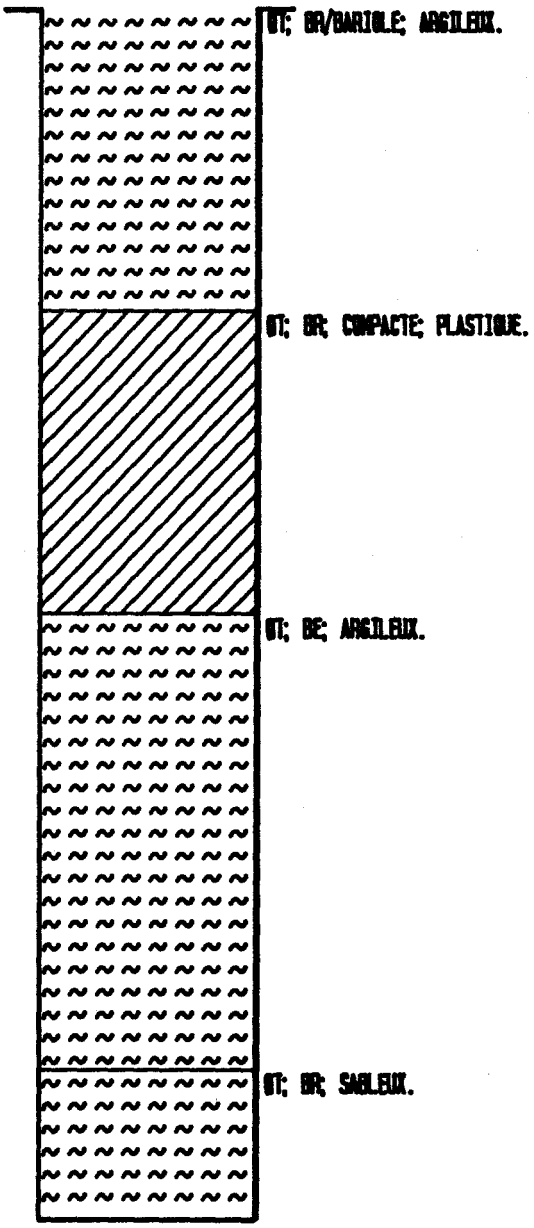
USAID/DAKAR/SENEGAL

FIGURE: GA0332

LEGEND



GA0332



PROJECT: OMVS/USAID FILE: 625-0958 LOCATION: MATAM 4C	LITHOLOGY
USAID/DAKAR/SENEGAL	FIGURE GA0332

WELL LITHOLOGY

PROJECT:OMVS/USAID
LOCATION:MATAM 4C
WELL NO.:GA0332
DRILLER:SAFOR

FILE NO.:625-0958
ELEVATION (M): 12.651
DATE DRILLED:22/12/87
TYPE OF RIG:ROTARY

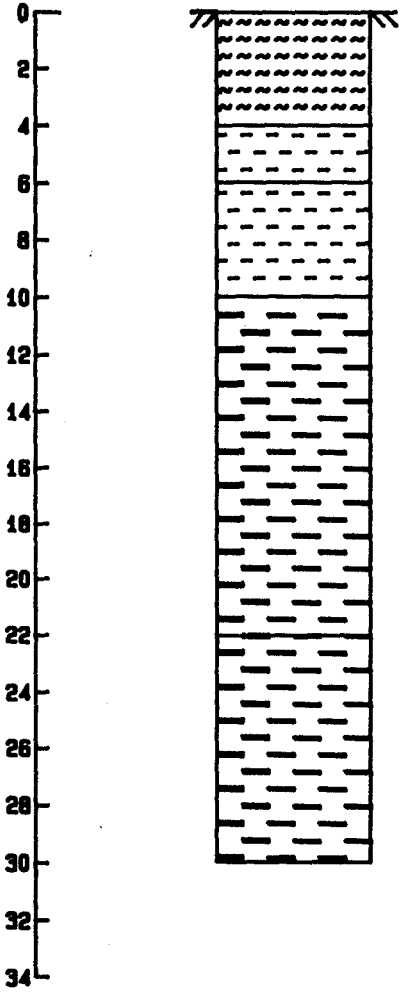
DEPTH (M)		ELEVATION (M)		THICKNESS (M)	LITHOLOGY
FROM	TO	FROM	TO		
0.00	4.00	12.65	8.65	4.00	SILT,QT; BR/BARIOLE; AR
4.00	8.00	8.65	4.65	4.00	ARG./PLAST.,QT; BR; COM
8.00	14.00	4.65	-1.35	6.00	SILT,QT; BE; ARGILEUX.
14.00	16.00	-1.35	-3.35	2.00	SILT,QT; BR; SABLEUX.

USAID/DAKAR/SENEGAL

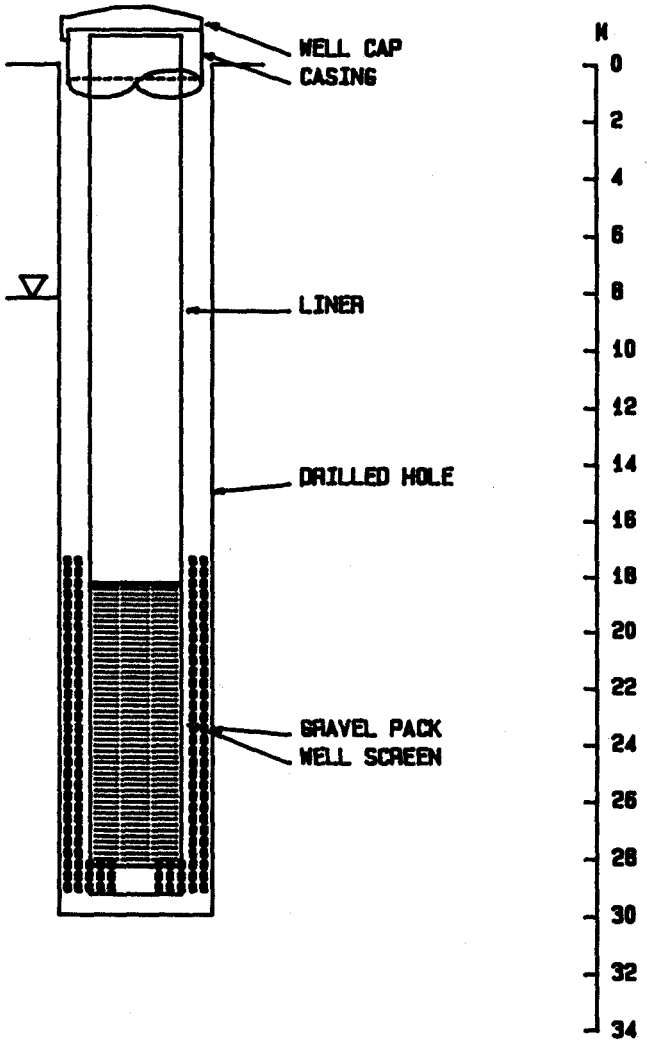
LEGEND

- ARG./PLAST.
- ARG./SABLE
- SILT
- SA. FIN
- SA. MOY.
- SA. GROS.
- GRAV. FIN
- GRAV. MOY.
- GRAV. GROS.
- SA. DUNAIRE
- SA. GRAVIL.
- GRES/SABLE
- GRES/SA/CALC
- CALCAIRE
- GRES FER.
- SA. COQUIL.
- MARNE
- SOL ORGAN.
- LATERITE
- SCHISTE

LITHOLOGY



WELL CONSTRUCTION DETAILS



▽ STATIC WATER LEVEL

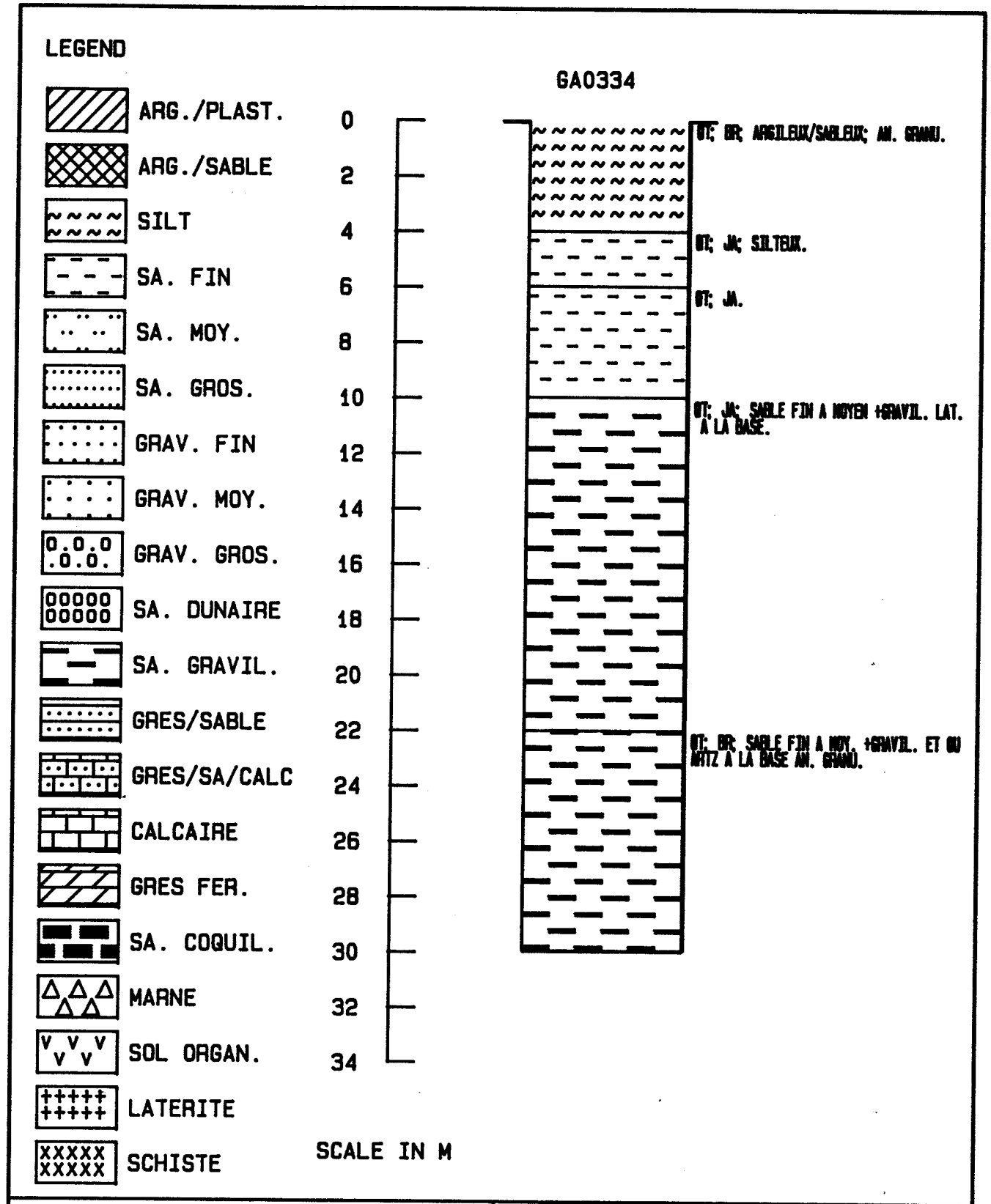
SCALE: 1 CM= 2 M

PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: MATAM 4C

COUPE GEOLOGIQUE ET TECHNIQUE

USAID/DAKAR/SENEGAL

FIGURE: GA0334



PROJECT: OMVS/USAID FILE: 625-0958 LOCATION: MATAM 4C	LITHOLOGY
USAID/DAKAR/SENEGAL	FIGURE GA0334

WELL LITHOLOGY

PROJECT:OMVS/USAID
LOCATION:MATAM 4C
WELL NO.:GA0334
DRILLER:SAFOR

FILE NO.:625-0958
ELEVATION (M): 13.438
DATE DRILLED:05/11/87
TYPE OF RIG:ROTARY

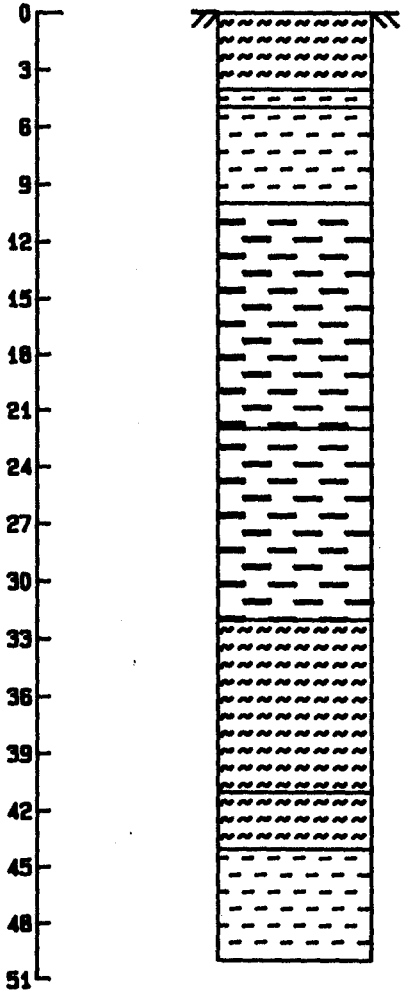
DEPTH (M)		ELEVATION (M)		THICKNESS (M)	LITHOLOGY
FROM	TO	FROM	TO		
0.00	4.00	13.50	9.50	4.00	SILT,QT; BR; ARGILEUX/S
4.00	6.00	9.50	7.50	2.00	SA. FIN,QT; JA; SILTEUX
6.00	10.00	7.50	3.50	4.00	SA. FIN,QT; JA.
10.00	22.00	3.50	-8.50	12.00	SA. GRAVIL.,QT; JA; SAB
22.00	30.00	-8.50	-16.50	8.00	SA. GRAVIL.,QT; BR; SAB

USAID/DAKAR/SENEGAL

LEGEND

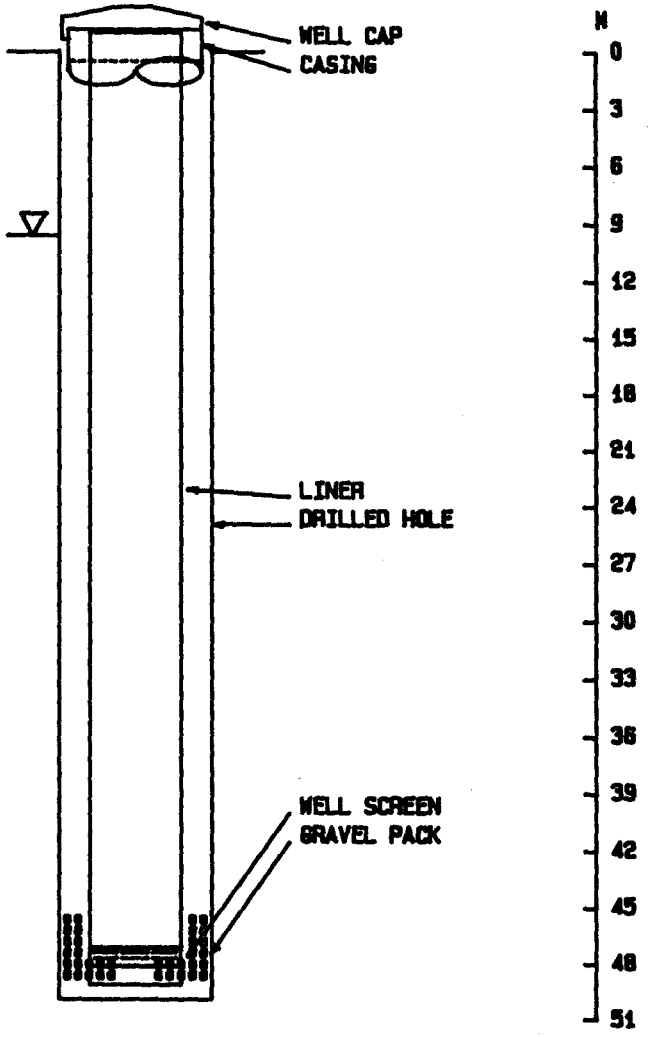
- ARG./PLAST.
- ARG./SABLE
- SILT
- SA. FIN
- SA. MOY.
- SA. GROS.
- GRAV. FIN
- GRAV. MOY.
- GRAV. GROS.
- SA. DUNAIRE
- SA. GRAVIL.
- GRES/SABLE
- GRES/SA/CALC
- CALCAIRE
- GRES FER.
- SA. COQUIL.
- MARNE
- SOL ORGAN.
- LATERITE
- SCHISTE

LITHOLOGY



SCALE: 1 CM= 3 M

WELL CONSTRUCTION DETAILS



STATIC WATER LEVEL

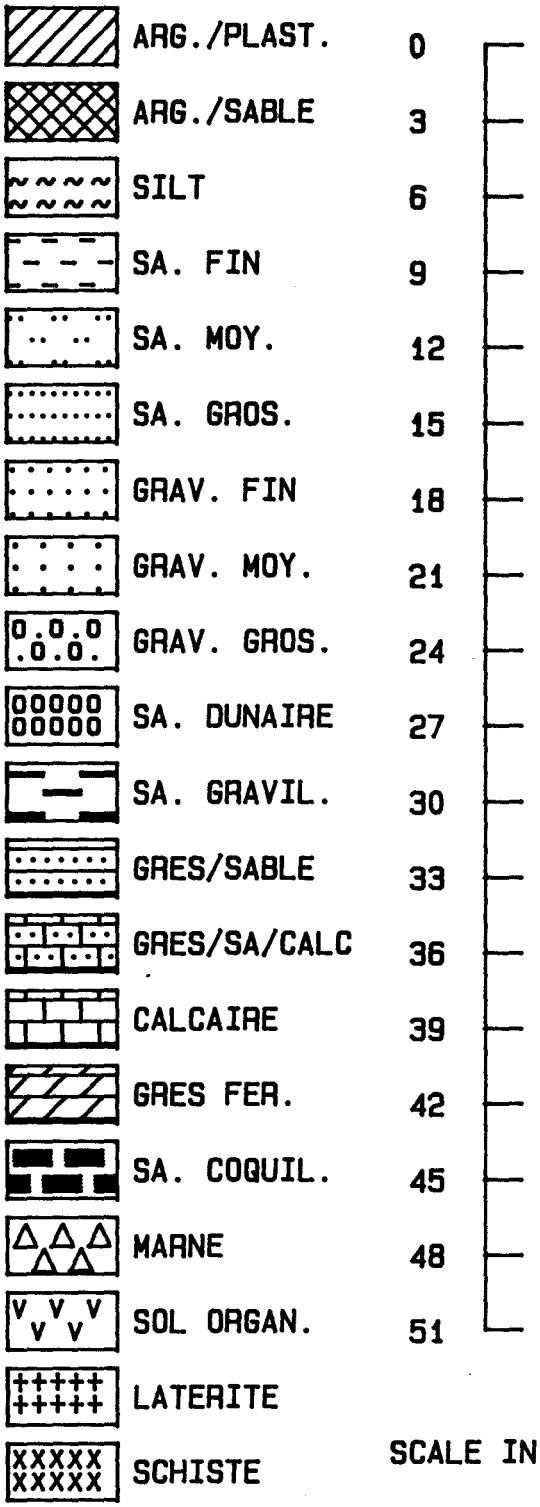
PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: MATAM 4C

COUPE GEOLOGIQUE ET TECHNIQUE

USAID/DAKAR/SENEGAL

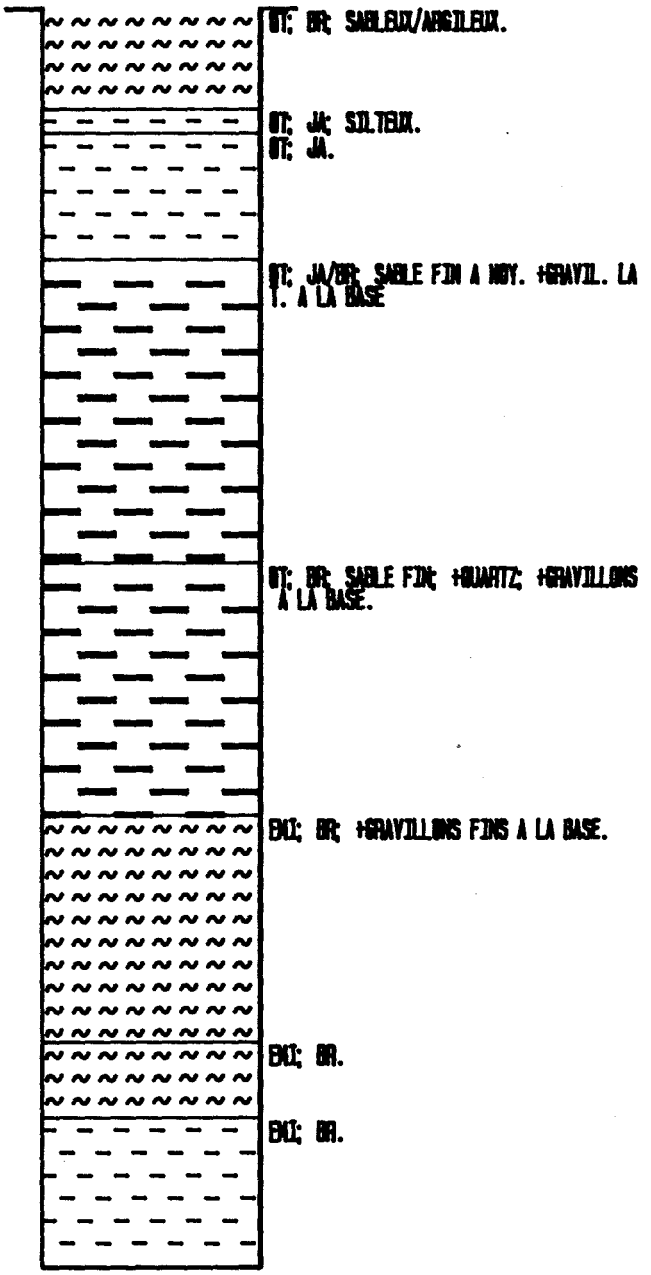
FIGURE: GA0335

LEGEND



SCALE IN M

GA0335



PROJECT: OMVS/USAID FILE: 625-0958 LOCATION: MATAM 4C	LITHOLOGY
USAID/DAKAR/SENEGAL	FIGURE GA0335

WELL LITHOLOGY

PROJECT:OMVS/USAID
LOCATION:MATAM 4C
WELL NO.:GA0335
DRILLER:SAFOR

FILE NO.:625-0958
ELEVATION (M): 13.418
DATE DRILLED:02/11/87
TYPE OF RIG:ROTARY

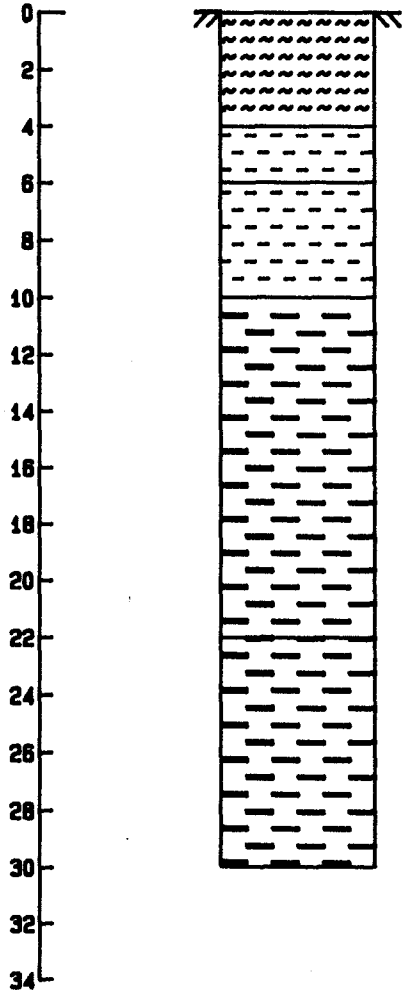
DEPTH (M)		ELEVATION (M)		THICKNESS (M)	LITHOLOGY
FROM	TO	FROM	TO		
0.00	4.00	13.42	9.42	4.00	SILT,GT; BR; SABLEUX/A
4.00	5.00	9.42	8.42	1.00	SA. FIN,GT; JA; SILTEU
5.00	10.00	8.42	3.42	5.00	SA. FIN,GT; JA.
10.00	22.00	3.42	-8.58	12.00	SA. GRAVIL.,GT; JA/BR
22.00	32.00	-8.58	-18.58	10.00	SA. GRAVIL.,GT; BR; SA
32.00	41.00	-18.58	-27.58	9.00	SILT,EMI; BR; +GRAVILL
41.00	44.00	-27.58	-30.58	3.00	SILT,EMI; BR.
44.00	50.00	-30.58	-36.58	6.00	SA. FIN,EMI; BR.

USAID/DAKAR/SENEGAL

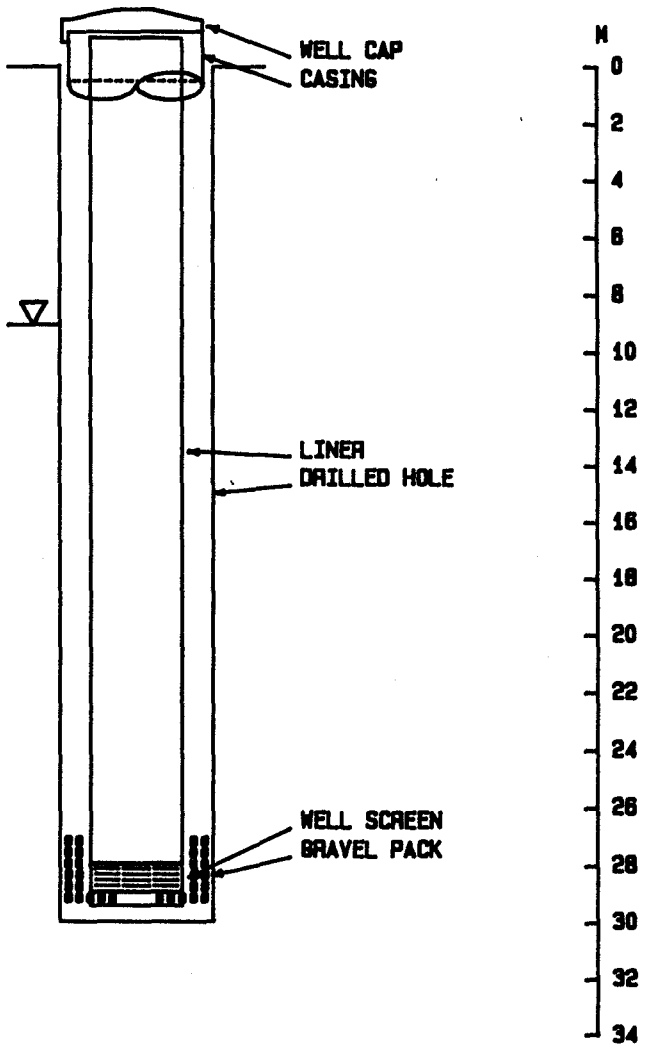
LEGEND

- ARG./PLAST.
- ARG./SABLE
- SILT
- SA. FIN
- SA. MOY.
- SA. GROS.
- GRAV. FIN
- GRAV. MOY.
- GRAV. GROS.
- SA. DUNAIRE
- SA. GRAVIL.
- GRES/SABLE
- GRES/SA/CALC
- CALCAIRE
- GRES FER.
- SA. COQUIL.
- MARNE
- SOL ORGAN.
- LATERITE
- SCHISTE

LITHOLOGY



WELL CONSTRUCTION DETAILS



▽ STATIC WATER LEVEL

SCALE: 1 CM= 2 M

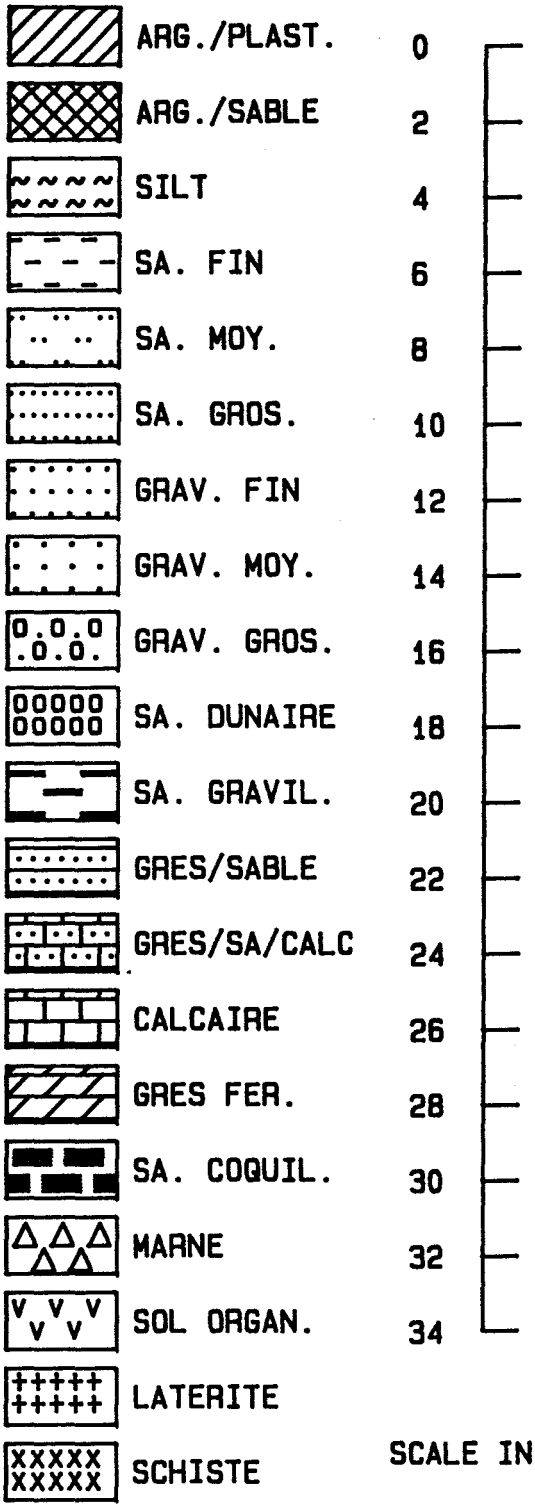
PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: MATAM 4C

COUPE GEOLOGIQUE ET TECHNIQUE

USAID/DAKAR/SENEGAL

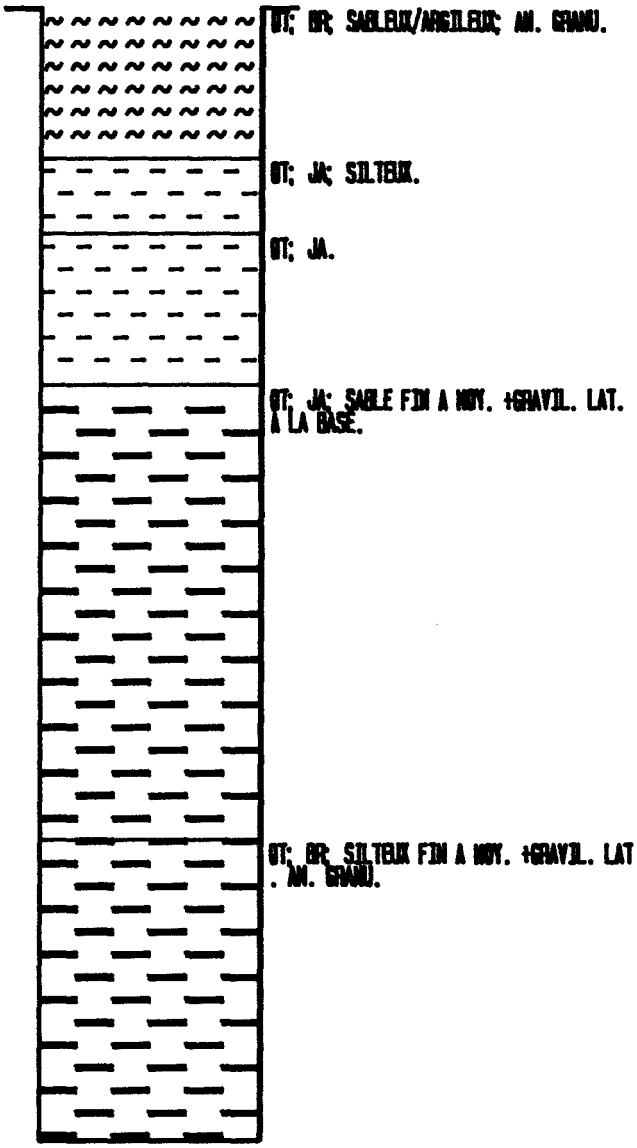
FIGURE: GA0336

LEGEND



SCALE IN M

GA0336



PROJECT: OMVS/USAID FILE: 625-0958 LOCATION: MATAM 4C	LITHOLOGY
USAID/DAKAR/SENEGAL	FIGURE GA0336

WELL LITHOLOGY

PROJECT:OMVS/USAID
LOCATION:MATAM 4C
WELL NO.:GA0336
DRILLER:SAFOR

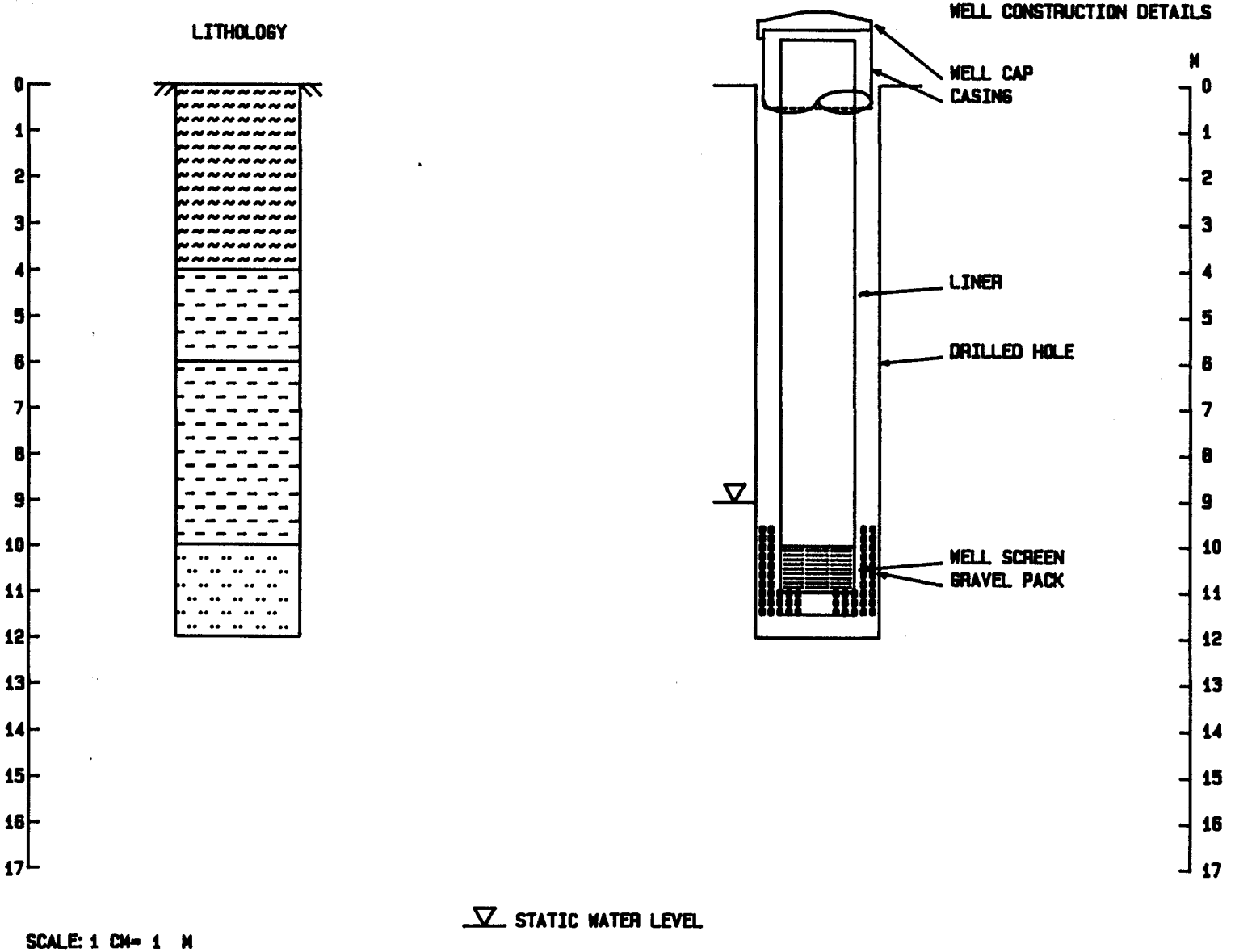
FILE NO.:625-0958
ELEVATION (M): 13.444
DATE DRILLED:02/11/87
TYPE OF RIG:ROTARY

DEPTH (M)		ELEVATION (M)		THICKNESS (M)	LITHOLOGY
FROM	TO	FROM	TO		
0.00	4.00	13.44	9.44	4.00	SILT,QT; BR; SABLEUX/A
4.00	6.00	9.44	7.44	2.00	SA. FIN,QT; JA; SILTEU
6.00	10.00	7.44	3.44	4.00	SA. FIN,QT; JA.
10.00	22.00	3.44	-8.56	12.00	SA. GRAVIL.,QT; JA; SA
22.00	30.00	-8.56	-16.56	8.00	SA. GRAVIL.,QT; BR; SI

USAID/DAKAR/SENEGAL

LEGEND

- ARG./PLAST.
- ARG./SABLE
- SILT
- SA. FIN
- SA. MOY.
- SA. GROS.
- GRAV. FIN
- GRAV. MOY.
- GRAV. GROS.
- SA. DUNAIRE
- SA. GRAVIL.
- GRES/SABLE
- GRES/SA/CALC
- CALCAIRE
- GRES FER.
- SA. COQUIL.
- MARNE
- SOL ORGAN.
- LATERITE
- SCHISTE

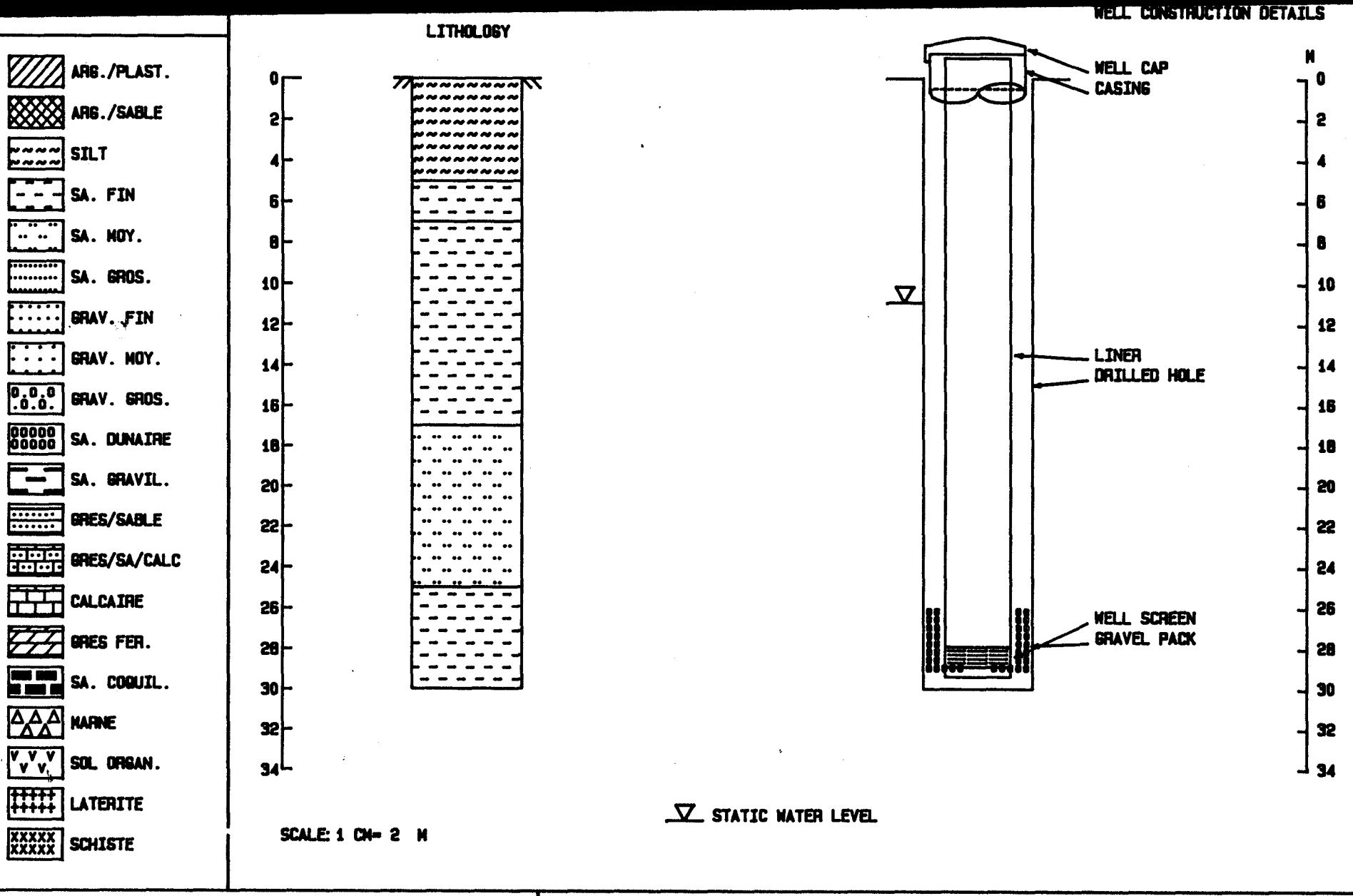


PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: MATAM 4C

COUPE GEOLOGIQUE ET TECHNIQUE

USAID/DAKAR/SENEGAL

FIGURE: GA0337



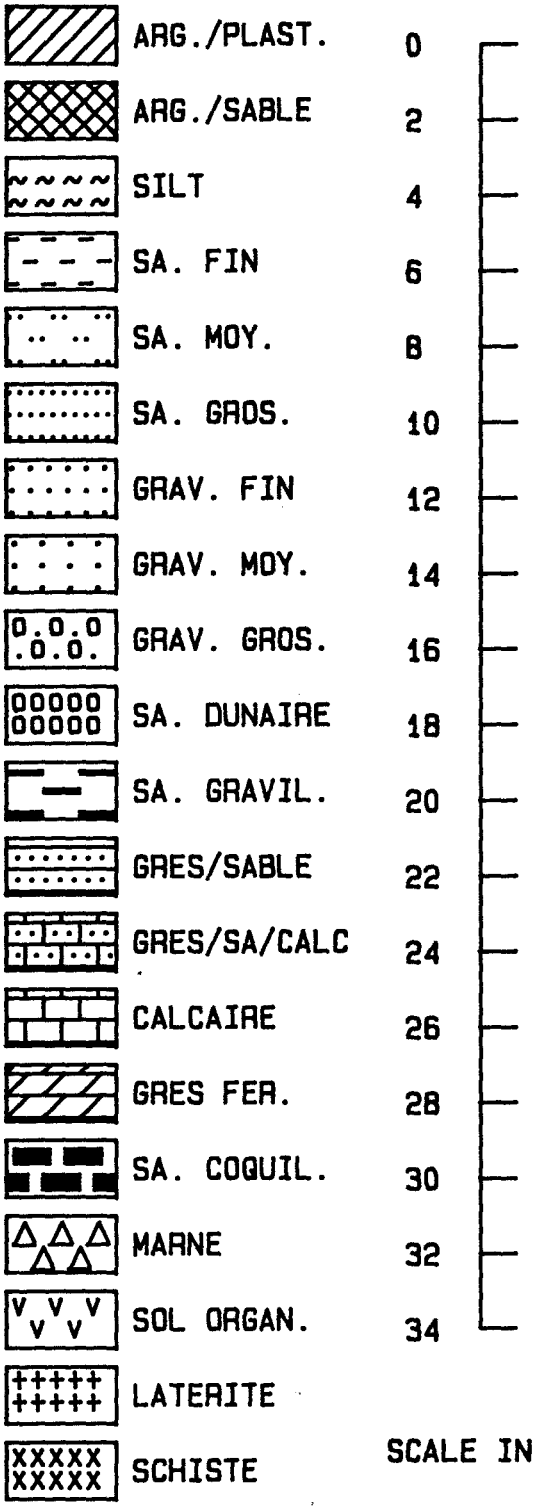
PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: MATAM 4C

COUPE GEOLOGIQUE ET TECHNIQUE

USAID/DAKAR/SENEGAL

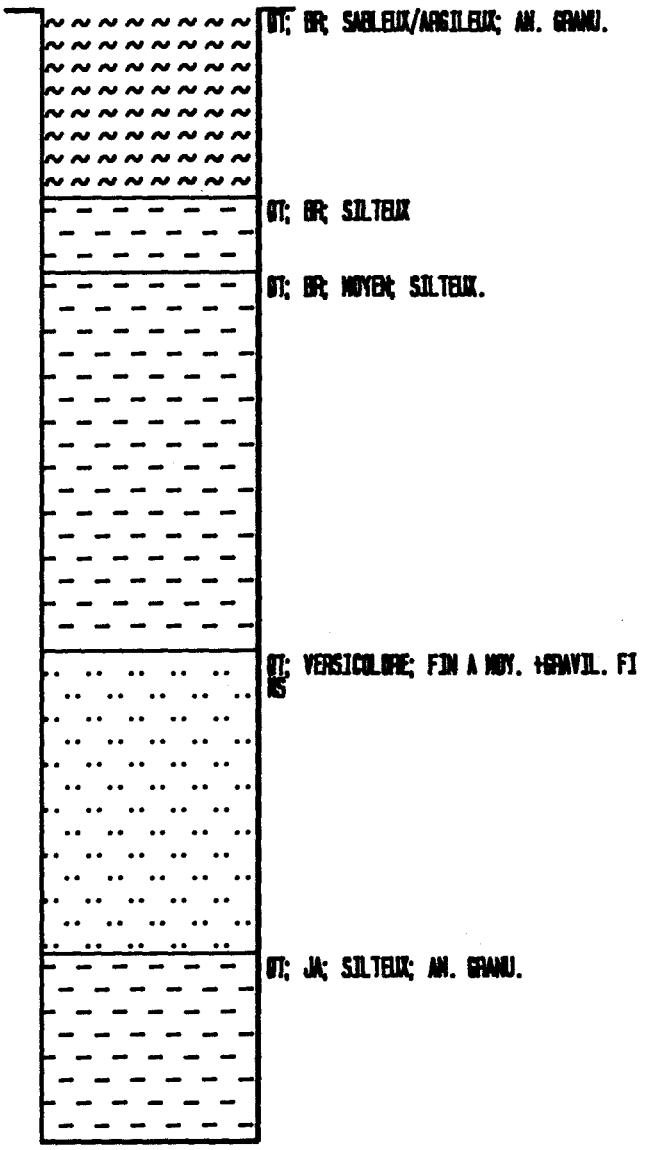
FIGURE: GA0338

LEGEND



SCALE IN M

GA0338



PROJECT: OMVS/USAID FILE: 625-0958 LOCATION: MATAM 4C	LITHOLOGY
USAID/DAKAR/SENEGAL	FIGURE GA0338

WELL LITHOLOGY

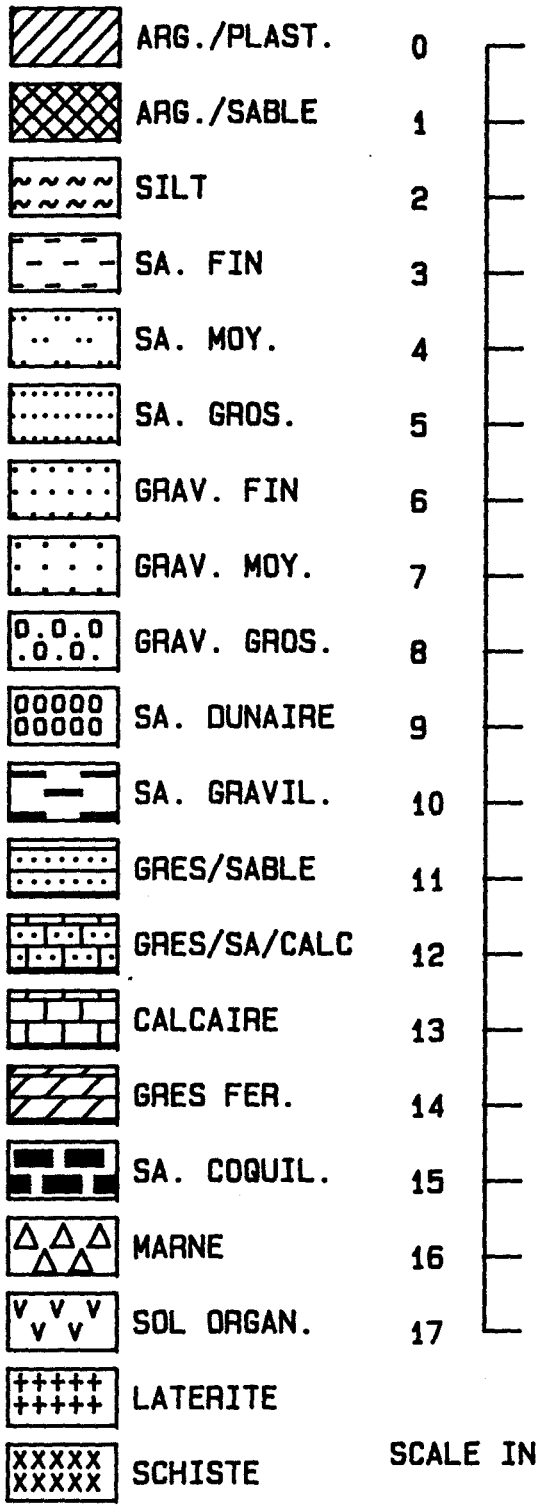
PROJECT:OMVS/USAID
LOCATION:MATAM 4C
WELL NO.:GA0338
DRILLER:SAFOR

FILE NO.:625-0958
ELEVATION (M): 14.138
DATE DRILLED:03/11/87
TYPE OF RIG:ROTARY

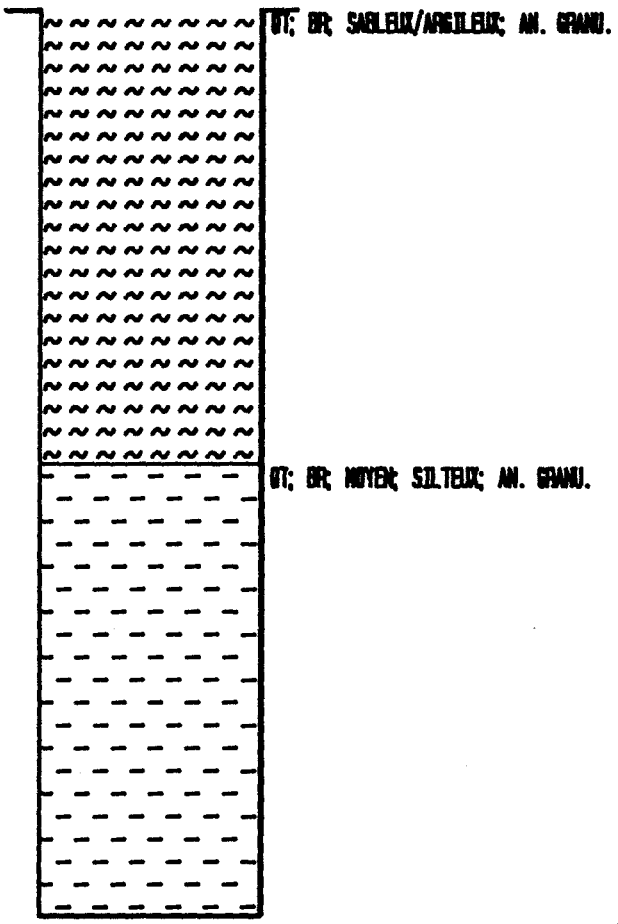
DEPTH (M)		ELEVATION (M)		THICKNESS (M)	LITHOLOGY
FROM	TO	FROM	TO		
0.00	5.00	14.14	9.14	5.00	SILT,QT; BR; SABLEUX/AR
5.00	7.00	9.14	7.14	2.00	SA. FIN,QT; BR; SILTEUX
7.00	17.00	7.14	-2.86	10.00	SA. FIN,QT; BR; MOYEN;
17.00	25.00	-2.86	-10.86	8.00	SA. MOY.,QT; VERSICOLOR
25.00	30.00	-10.86	-15.86	5.00	SA. FIN,QT; JA; SILTEUX

USAID/DAKAR/SENEGAL

LEGEND



GA0339



PROJECT: OMVS/USAID FILE: 625-0958 LOCATION: MATAM 4C	LITHOLOGY
USAID/DAKAR/SENEGAL	FIGURE GA0339

WELL LITHOLOGY

PROJECT:OMVS/USAID
LOCATION:MATAM 4C
WELL NO.:GA0339
DRILLER:SAFOR

FILE NO.:625-0958
ELEVATION (M): 14.131
DATE DRILLED:03/11/87
TYPE OF RIG:ROTARY

DEPTH (M)		ELEVATION (M)		THICKNESS (M)	LITHOLOGY
FROM	TO	FROM	TO		
0.00	6.00	14.13	8.13	6.00	SILT,QT; BR; SABLEUX/AR
6.00	12.00	8.13	2.13	6.00	SA. FIN,QT; BR; MOYEN;

USAID/DAKAR/SENEGAL

ORGANISATION POUR LA MISE EN VALEUR DU FLEUVE SENEGAL OMVS
DIRECTION DES INFRASTRUCTURES REGIONALES DIR
CELLULE EAUX SOUTERRAINES
PROJET OMVS/USAID 625-0958

REPERTOIRE HYDROGEOLOGIQUE

CARTE TOPOGRAPHIQUE 1:50,000

15 MATAM 4C

ANNEXE # 2

ANALYSES GRANULOMETRIQUES

* Résultats des analyses granulométriques
* Courbes granulométriques

PROJET OMVS/USAID
625-0958

CARTE TOPOGRAPHIQUE 1/50.000:	MATAM 4C

RESULTATS DES ANALYSES GRANULOMETRIQUES

Responsable des prélèvements: SAFOR
Responsable des analyses: SAED/ Laboratoire de ROSS- BETHIO

Fichier: GRANULO.FIC

PIEZO #	HORIZON B1/B2	% POIDS/ CLASSE GRANULOMETRIQUE					% POIDS TOTAL
		ARGILE	LIMON FIN	LIMON GROSSIER	SABLE FIN	SABLE GROSSIER	
GA 334	B1	22,2Ø	12,5Ø	37,1Ø	21,9Ø	6,3Ø	1ØØ
GA 334	30m	Ø,ØØ	2,2Ø	8,Ø5	66,35	23,4Ø	1ØØ
GA 336	B1	19,7Ø	1Ø,ØØ	34,95	25,1Ø	1Ø,25	1ØØ
GA 336	B2	2,2Ø	2,5Ø	14,55	49,3Ø	31,45	1ØØ
GA 337	B1	17,2Ø	1Ø,ØØ	36,45	25,9Ø	1Ø,45	1ØØ
GA 337	B2	Ø,ØØ	Ø,ØØ	5,7Ø	25,75	68,55	1ØØ
GA 338	B1	9,7Ø	12,5Ø	23,3Ø	4Ø,75	13,75	1ØØ
GA 338	B2	4,7Ø	7,5Ø	24,7Ø	41,3Ø	21,8Ø	1ØØ
GA 339	B1	12,2Ø	12,5Ø	32,95	3Ø,65	11,7Ø	1ØØ
GA 339	B2	4,7Ø	5,ØØ	21,ØØ	4Ø,3Ø	29,ØØ	1ØØ
DA 23Ø	16m. B2	29,15	13,15	6,11	33,62	16,39	98,42
DA 232	B1	16,ØØ	36,4Ø	17,89	26,83	1,48	98,6
DA 232	39m. B2	7,65	11,66	5,31	39,ØØ	34,84	98,46

ORGANISATION POUR LA MISE EN VALEUR DU FLEUVE SENEGAL (O.M.V.S.)
DIRECTION DE L'INFRASTRUCTURE RÉGIONALE (D.I.R.)
PROJET 625-0950/U.S.A.I.D

CELLULE - EAUX SOUTERRAINES / SAINT-LOUIS

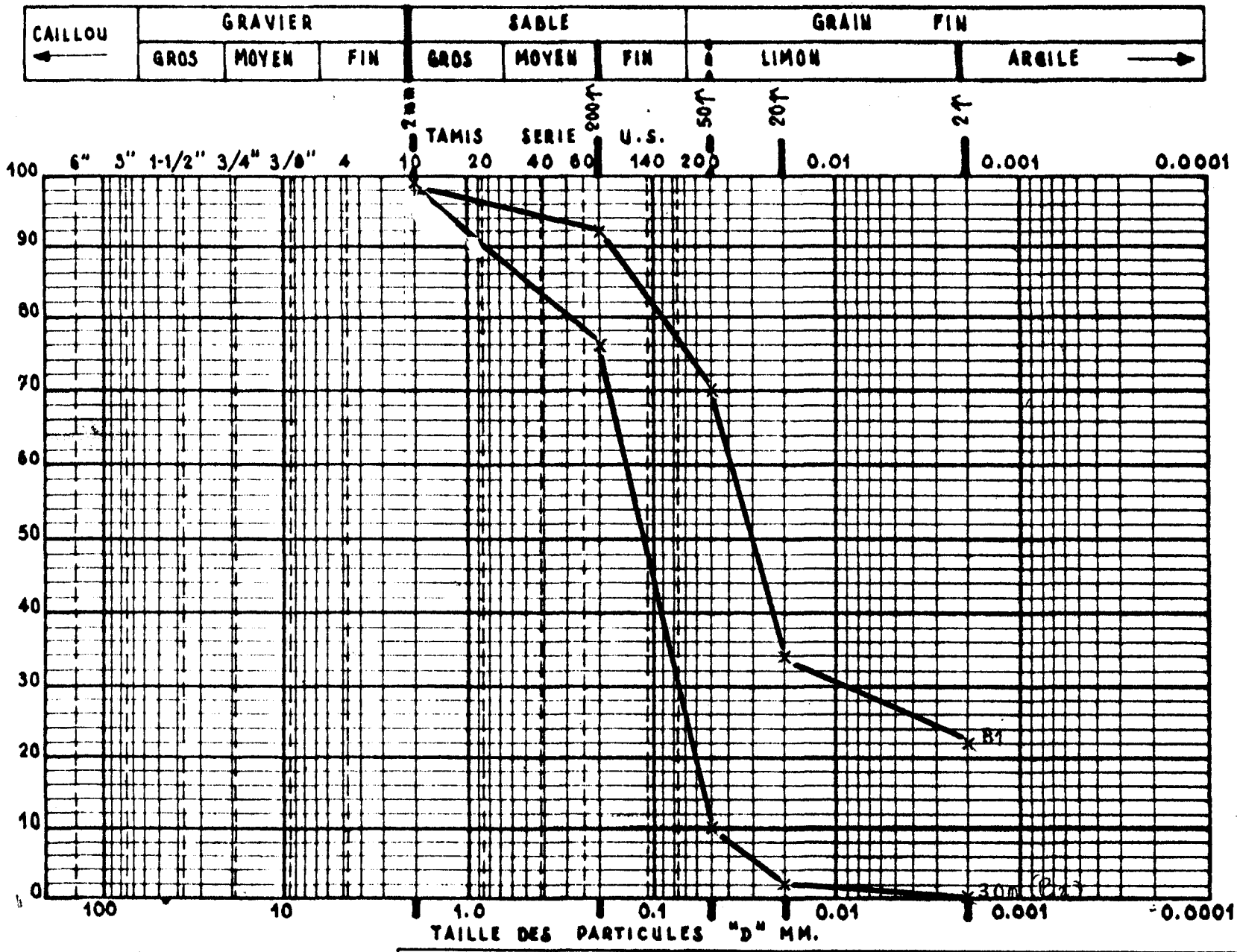
COURBES GRANULOMÉTRIQUES

TYPE D'ECHANT. : ..... ou ..... m

PAYS --- SENEGAL ---

PIÉZOMÈTRE N° 15 4C 3334 HP

COORDONNÉES (MTU) X: ---------- Y: ----------



CLASSIFICATION M.I.T.

KB1 = .N/A.... cm/sec

KB2 = .2.5x10⁻³. cm/sec

ORGANISATION POUR LA MISE EN VALEUR DU FLEUVE SENEGAL (O.M.V.S)

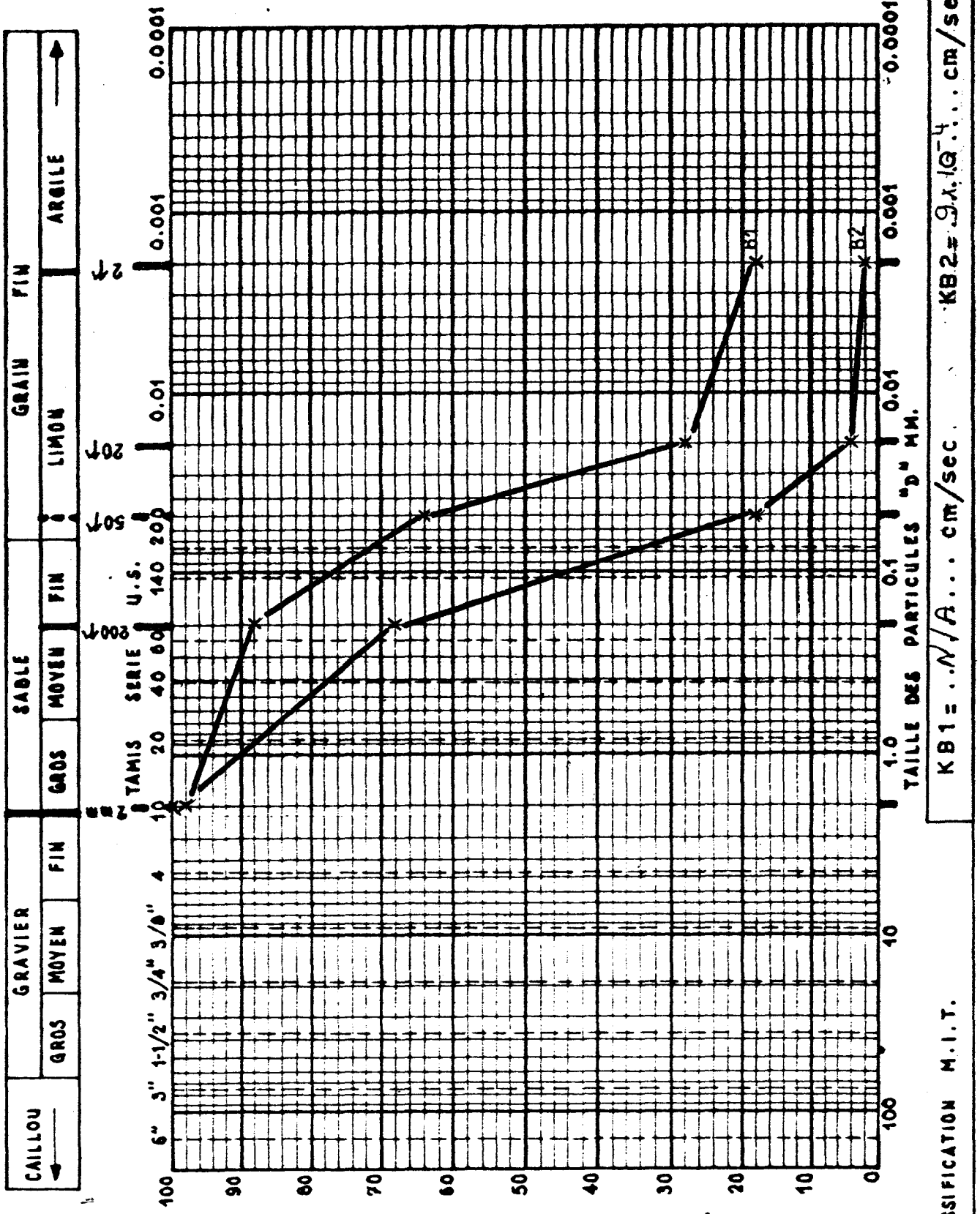
DIRECTION DE L'INFRASTRUCTURE RÉGIONALE (D.I.R)

PROJET 625-0958/U.S.A.I.D

PAYS: SENEGAL

PIÉZOMÈTRE N° 4 5 4 C G A 3 3 6 H P

COORDONNÉES (M T U) X:_____ Y:_____

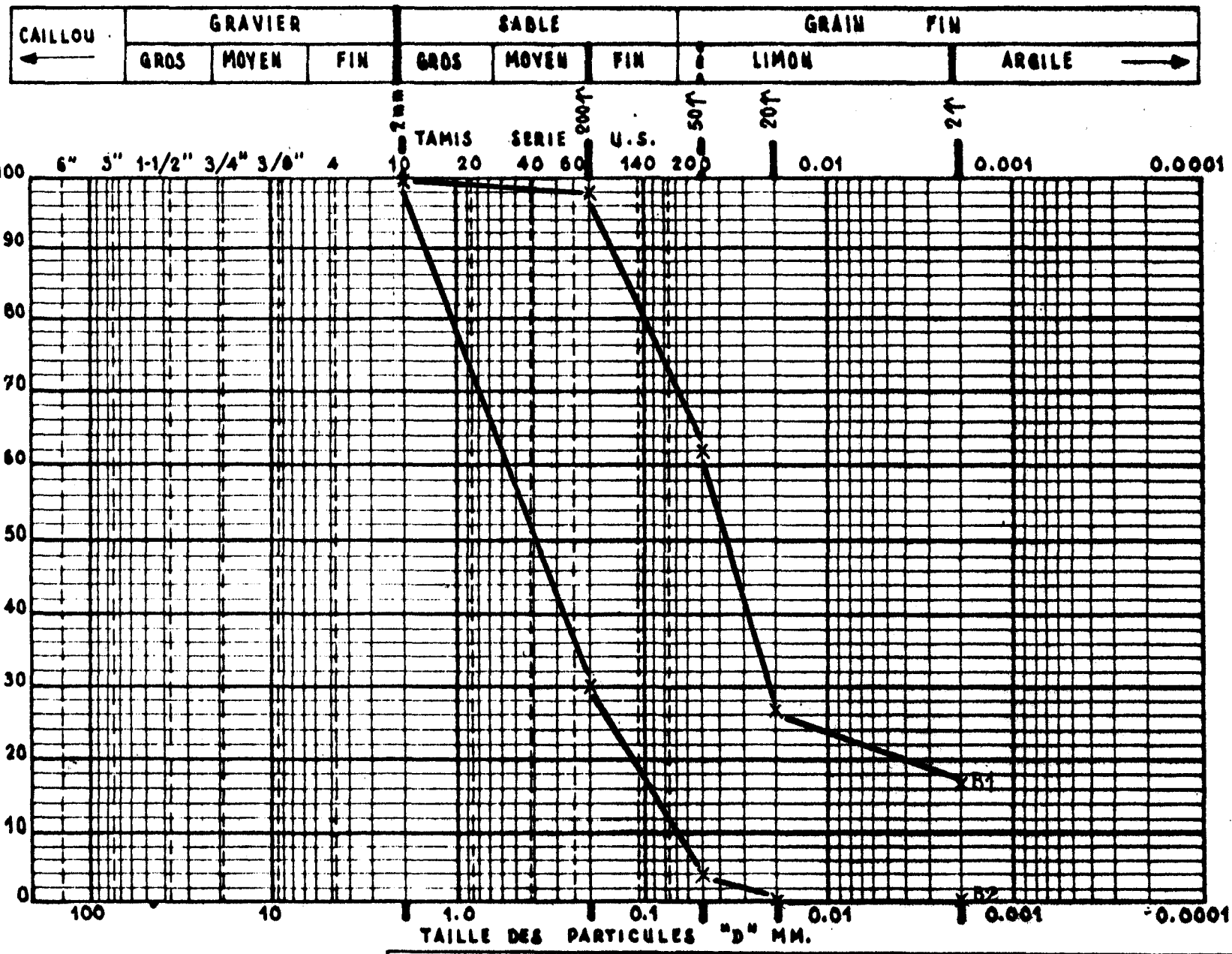


ORGANISATION POUR LA MISE EN VALEUR DU FLEUVE SENEGAL (O.M.V.S.)
DIRECTION DE L'INFRASTRUCTURE RÉGIONALE (D.I.R.)
PROJET 625-0950/U.S.A.I.D

CELLULE - EAUX SOUTERRAINES / SAINT-LOUIS

COURBES GRANULOMÉTRIQUES

TYPE D'ECHANT. : ..... OU ..... ☐



CLASSIFICATION M.I.T.

KB1 = ..N/A.... cm/sec

KB2 = 4.9x10⁻³ cm/sec

PAYS ---SENEGAL---

PIÉZOMÈTRE N° 15 4C GA 33 Z HP

COORDONNÉES (MTM) X:---------- Y:----------

ORGANISATION POUR LA MISE EN VALEUR DU FLEUVE SENEGAL (O.M.V.S)

DIRECTION DE L'INFRASTRUCTURE RÉGIONALE (D.I.R)

PROJET 625-0958/U.S.A.I.D

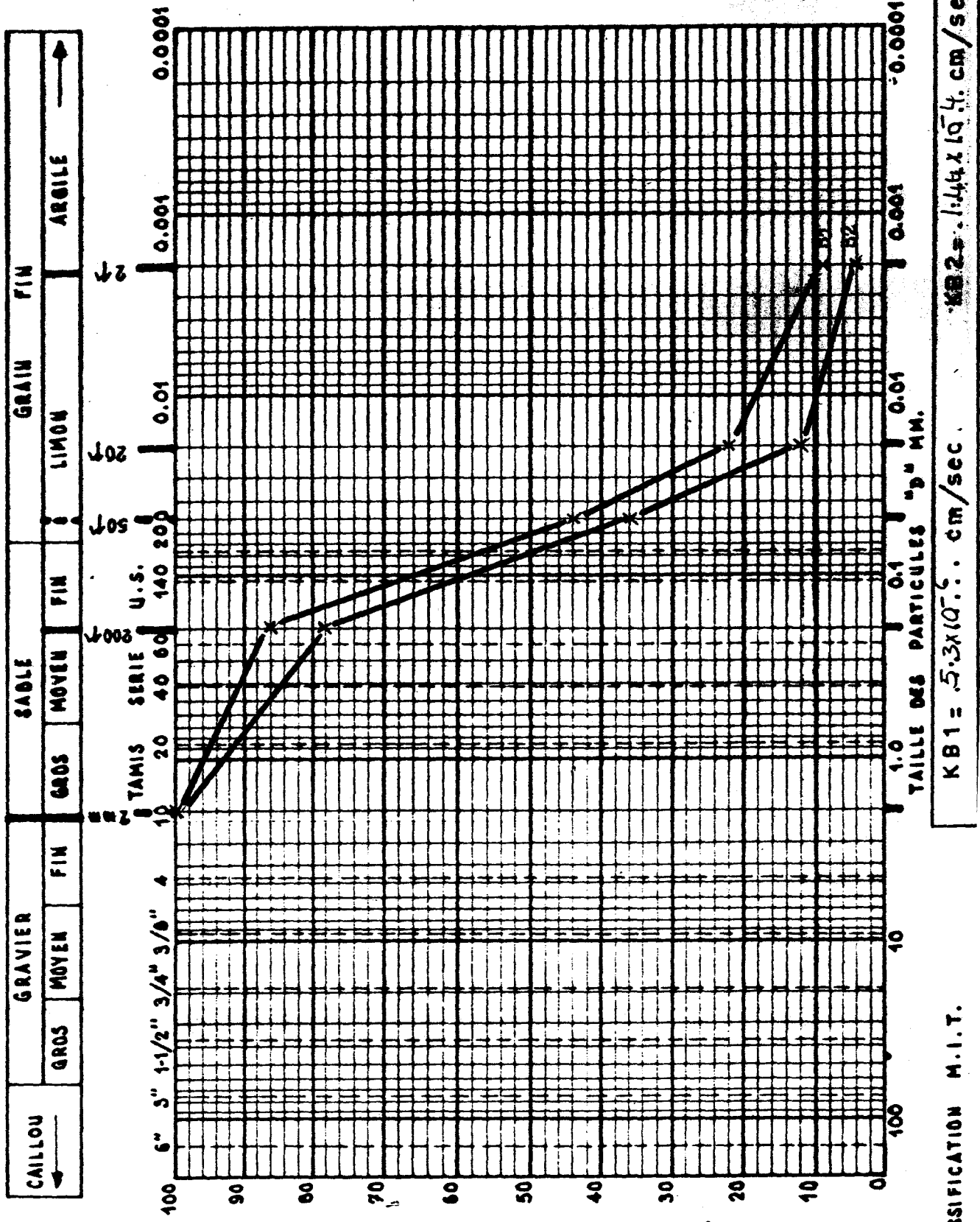
COURBES GRANULOMÉTRIQUES

TYPE D'ECHANT. : ..... OU ..... m

PAYS : SENEGAL

PIÉZOMÈTRE N° : 15 4C GA33C HP

COORDONNÉES (M T U) X: ..... Y: .....



CELLULE - EAUX SOUTERRAINES / SAINT-LOUIS

ORGANISATION POUR LA MISE EN VALEUR DU FLEUVE SÉNÉGAL

DIRECTION DE L'INFRASTRUCTURE RÉGIONALE (D.I.R)

PROJET 625-0958 / U.S.A.I.D

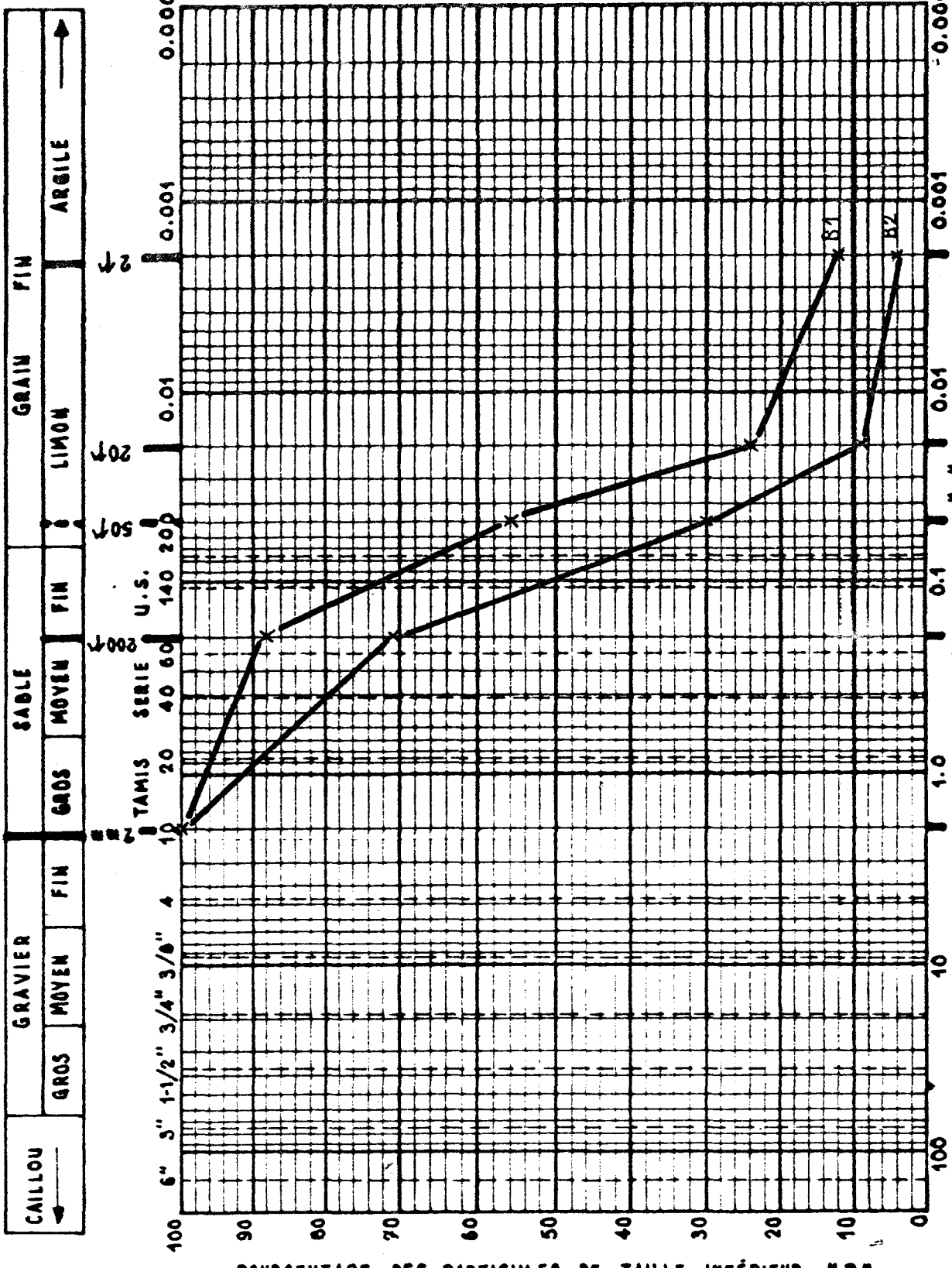
PAYS: SENEGAL

PIÉZOMÈTRE N° 15 4C GA339 HP

COORDONNÉES (M T U) X:..... Y:.....

COURBES GRANULOMÉTRIQUES

TYPE D'ECHANT. :.....OU.....m



KB1 = ...N/A... cm/sec

KB2 = ...N/A... cm/sec

CLASSIFICATION M.I.T.

CELLULE - EAUX SOUTERRAINES / SAINT-LOUIS

ORGANISATION POUR LA MISE EN VALEUR DU FLEUVE SENEGAL
DIRECTION DE L'INFRASTRUCTURE RÉGIONALE (D.I.R)
PROJET 625-0950/U.S.A.I.D

CELLULE - EAUX SOUTERRAINES / SAINT-LOUIS

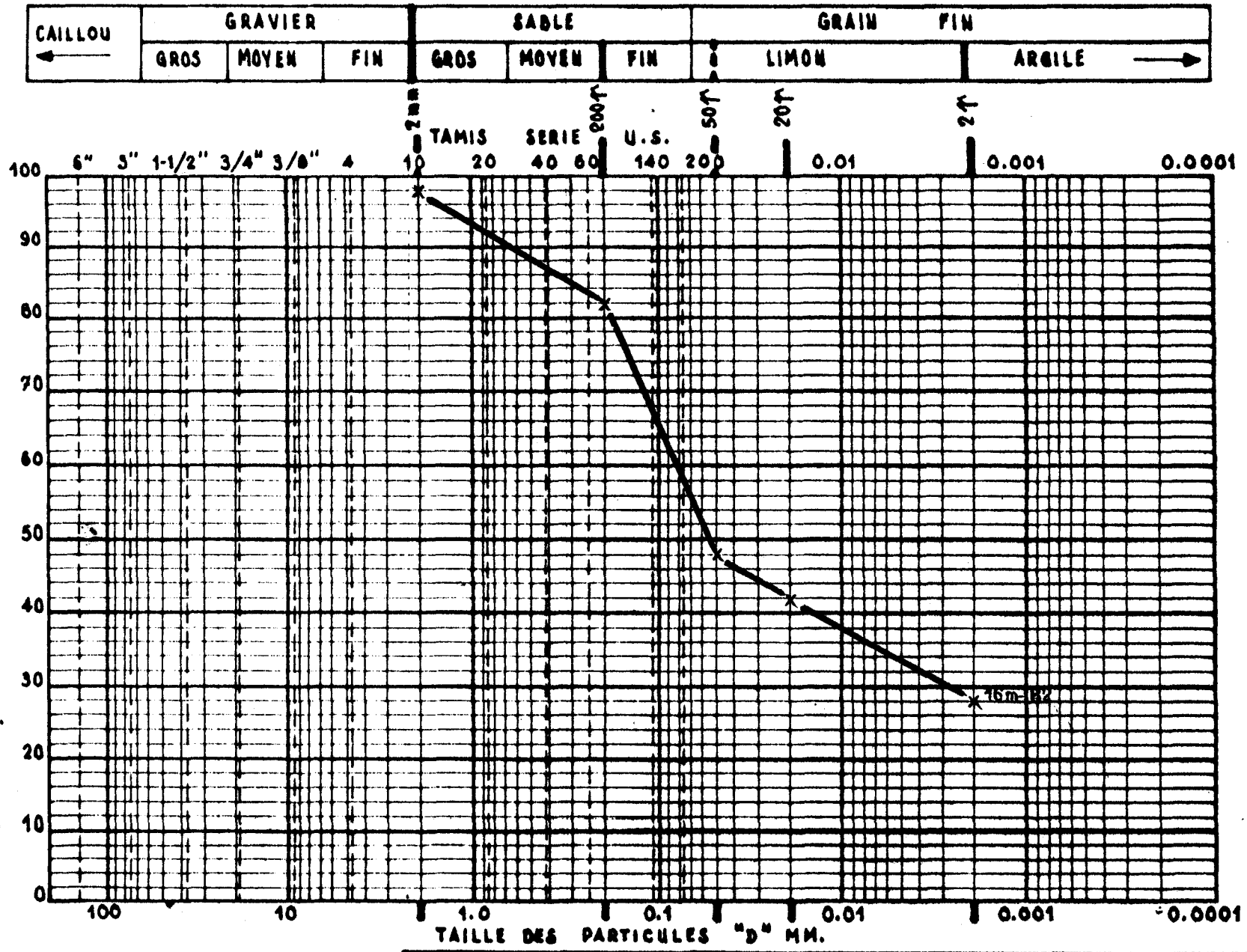
COURBES GRANULOMÉTRIQUES

TYPE D'ECHANT. : ..... OU .....

PAYS --MAURITANIE--

PIÉZOMÈTRE N° 15 4C DA2308 HP

COORDONNÉES (MTM) X:---------- Y:----------



CLASSIFICATION M.I.T.

KB1 = ..N.I.R... cm/sec

KB2 = ..N.I.A.... cm/sec

ORGANISATION POUR LA MISE EN VALEUR DU FLEUVE SENEGAL (O.M.V.S)

DIRECTION DE L'INFRASTRUCTURE RÉGIONALE (D.I.R)

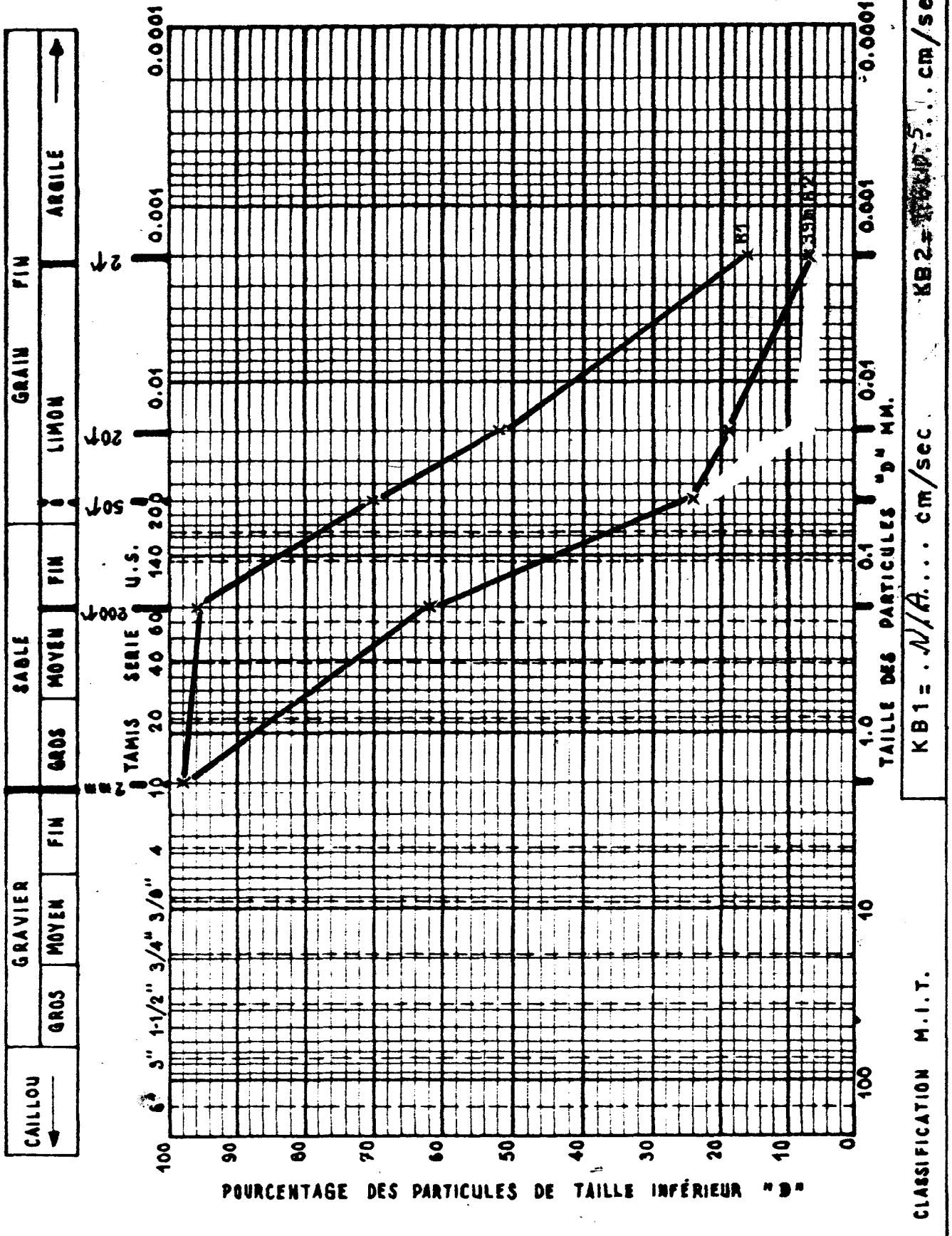
PROJET 625-0958/U.S.A.I.D

COURBES GRANULOMETRIQUES — TYPE D'ECHANT. : ..... OU ..... m

PAYS: MAURITANIE

PIÉZOMÈTRE N° 15 4C DA232 HP

COORDONNÉES (M T U) X: ..... Y: .....



CLASSIFICATION M.I.T.

CELLULE - EAUX SOUTERRAINES / SAINT-LOUIS

ORGANISATION POUR LA MISE EN VALEUR DU FLEUVE SENEGAL OMVS
DIRECTION DES INFRASTRUCTURES REGIONALES DIR
CELLULE EAUX SOUTERRAINES
PROJET OMVS/USAID 625-0958

REPERTOIRE HYDROGEOLOGIQUE

CARTE TOPOGRAPHIQUE 1:50,000

15 MATAM 4C

ANNEXE # 3

ANALYSES D'EAU

* Commentaires pratiques
* Résultats des analyses/ fiches signalétiques
* Représentations graphiques

PROJET OMVS/USAID
625-0958

GUIDE PRATIQUE

Toutes les représentations graphiques des résultats des analyses chimiques des eaux et les tableaux présentant les résultats sont issus du logiciel GROUNDWATER/CHEMISTRY. Malgré son origine anglophone, il n'est pas apparu nécessaire de développer un guide lexicologique pour la lecture des graphiques.

Le système GES peut imprimer la fiche signalétique relative aux résultats d'analyses d'eau pour un piézomètre spécifique. Cette fiche, plus complète, regroupe des résultats d'analyses inutilisés dans les représentations graphiques.

Le lecteur notera que le numéro de la figure des représentations graphiques correspond au numéro du piézomètre ou du puits sur lequel l'échantillon d'eau a été prélevé ou la proximité du lieu où un échantillon de surface a été prélevé.

Le lecteur trouvera ci-après, la liste exhaustive de tous les fichiers traités dans le cadre de cette annexe, correspondant à autant de piézomètres et de puits regroupés dans les limites de la carte topographique 1/50,000 concernée.

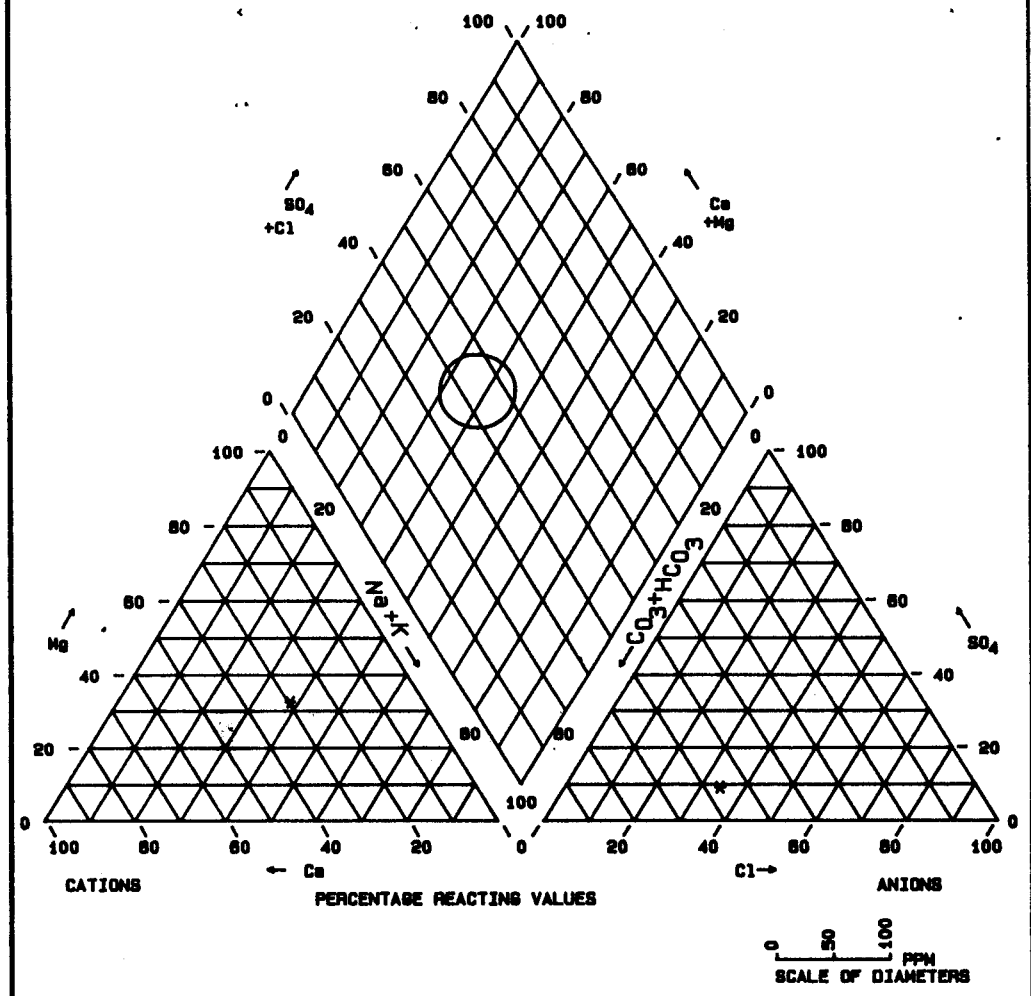
Tous les piézomètres et les puits, traités dans cette annexe, sont localisés sur la carte 1/50,000 accompagnant ce document.

La liste exhaustive des piézomètres relative à cette carte résulte de l'exploitation d'un logiciel utilitaire XTREE.

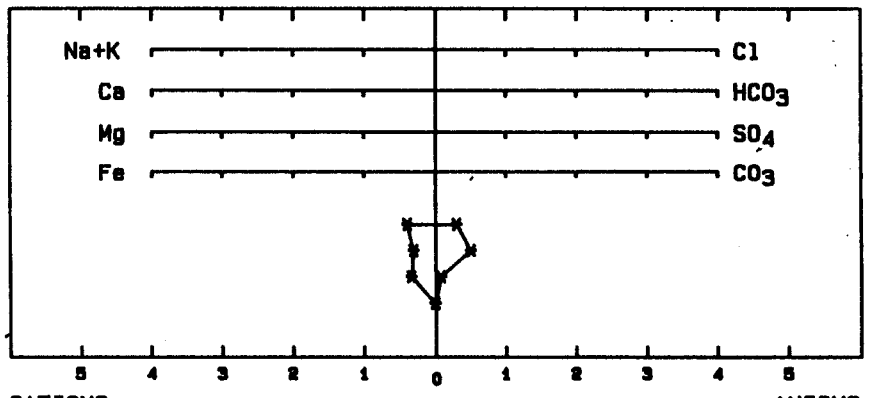
Path: C:\GWDATA\15-4C
9 tagged files using 1,152 bytes

DA232	.CHM	128	.a..	2-24-89	9:40 am
DA235	.CHM	128	.a..	2-24-89	9:41 am
GA0327	.CHM	128	.a..	2-24-89	9:52 am
GA0328	.CHM	128	.a..	2-24-89	9:53 am
GA0333	.CHM	128	.a..	2-24-89	2:55 pm
GA0334	.CHM	128	.a..	2-24-89	9:43 am
GA0337	.CHM	128	.a..	2-24-89	9:47 am
GB0686	.CHM	128	.a..	2-24-89	9:50 am
GB0975	.CHM	128	.a..	2-24-89	9:48 am

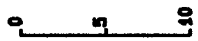
PIPER TRILINEAR DIAGRAM



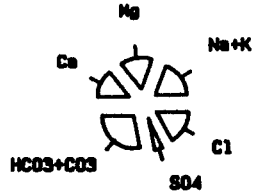
STIFF GRAPH



PIE DIAGRAM



SCALE OF RADII
(TOTAL OF EQUIVALENTS PER MILLION)



NOTE ERROR (IF ANY) IN CATION/ANION BALANCE HAS BEEN REMOVED

PROJECT: OMVS/USAID FILE: 625-0958 LOCATION: MATAM 4C	SAMPLE: DA232 13/11/87	CHEMICAL GRAPHS
USAID/DAKAR/SENEGAL		FIGURE: DA232

CHEMISTRY ANALYSIS

PROJECT: OMVS/USAID FILE: 625-0958
LOCATION: MATAM 4C

WELL NO.: DA232 13/11/87

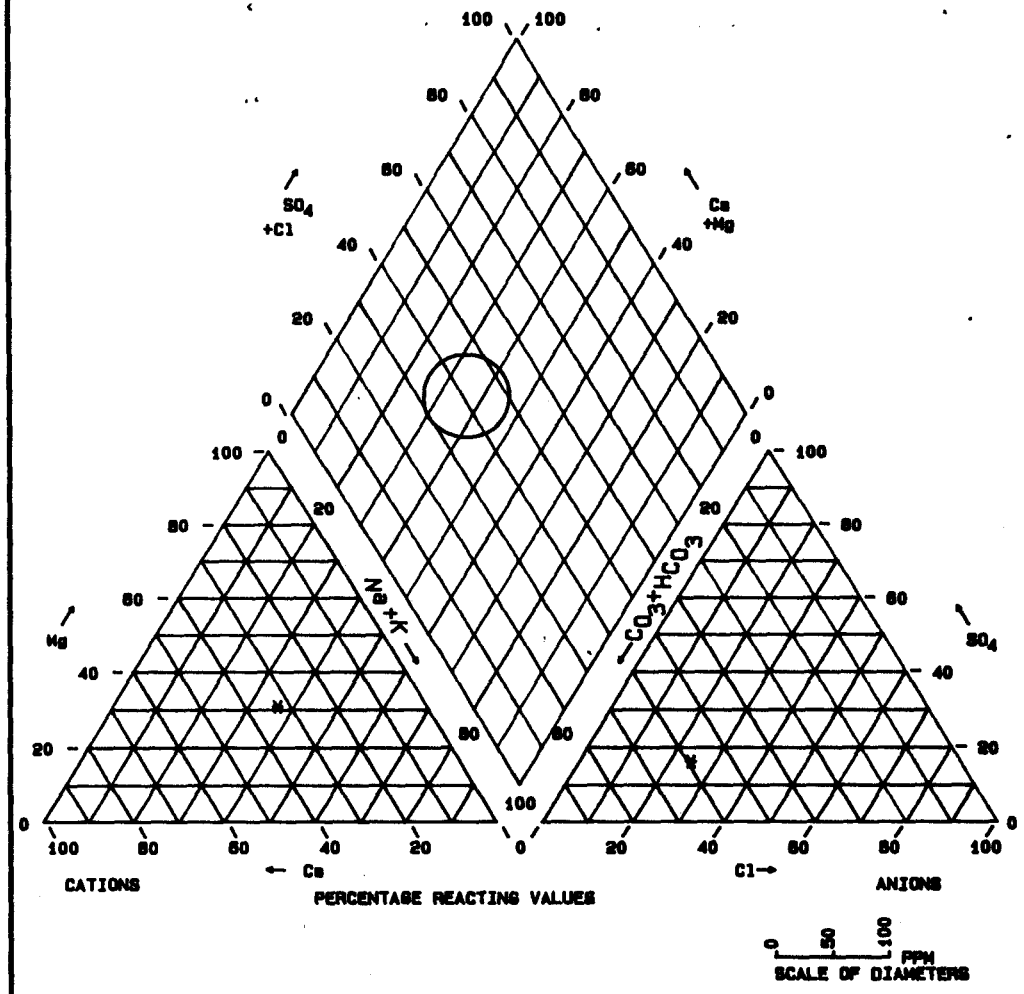
CATIONS	PPM	EPM	% EPM
Ca	6.00	0.30	29.43
Mg	4.00	0.33	32.34
Na+K	11.00	0.39	38.23

ANIONS	PPM	EPM	% EPM
HCO3+CO3	31.00	0.51	56.36
SO4	4.00	0.08	9.24
Cl	11.00	0.31	34.41

TOTAL DISSOLVED SOLIDS: 135
ERROR IN CATION/ANION BALANCE: 6.12 %
SODIUM ABSORPTION RATION (S.A.R.): 0.47

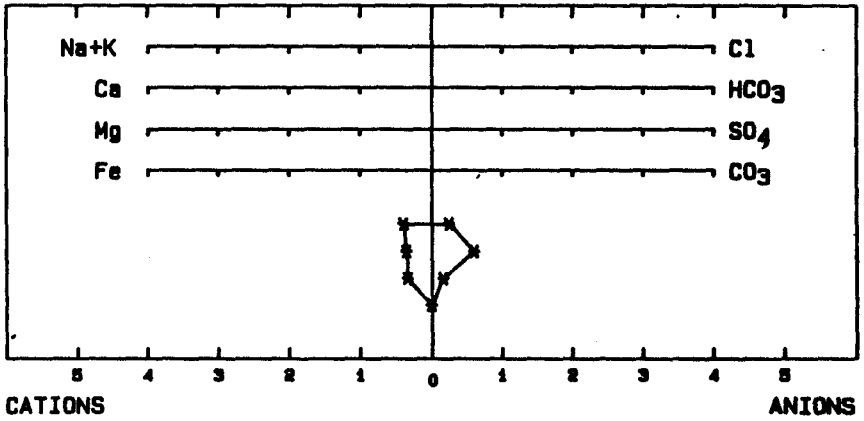
USAID/DAKAR/SENEGAL

PIPER TRILINEAR DIAGRAM



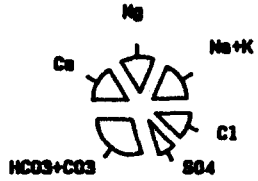
0 50 100 PPM
SCALE OF DIAMETERS

STIFF GRAPH



PIE DIAGRAM

SCALE OF RADII
(TOTAL OF EQUIVALENTS PER MILLION)



NOTE ERROR (IF ANY) IN CATION/ANION BALANCE HAS BEEN REMOVED

PROJECT: OMVS/USAID FILE: 625-0958 LOCATION: MATAM 4C	SAMPLE: DA235 14/11/87	CHEMICAL GRAPHS
USAID/DAKAR/SENEGAL		FIGURE: DA235

CHEMISTRY ANALYSIS

PROJECT: OMVS/USAID FILE: 625-0958
LOCATION: MATAM 4C

WELL NO.: DA235 14/11/87

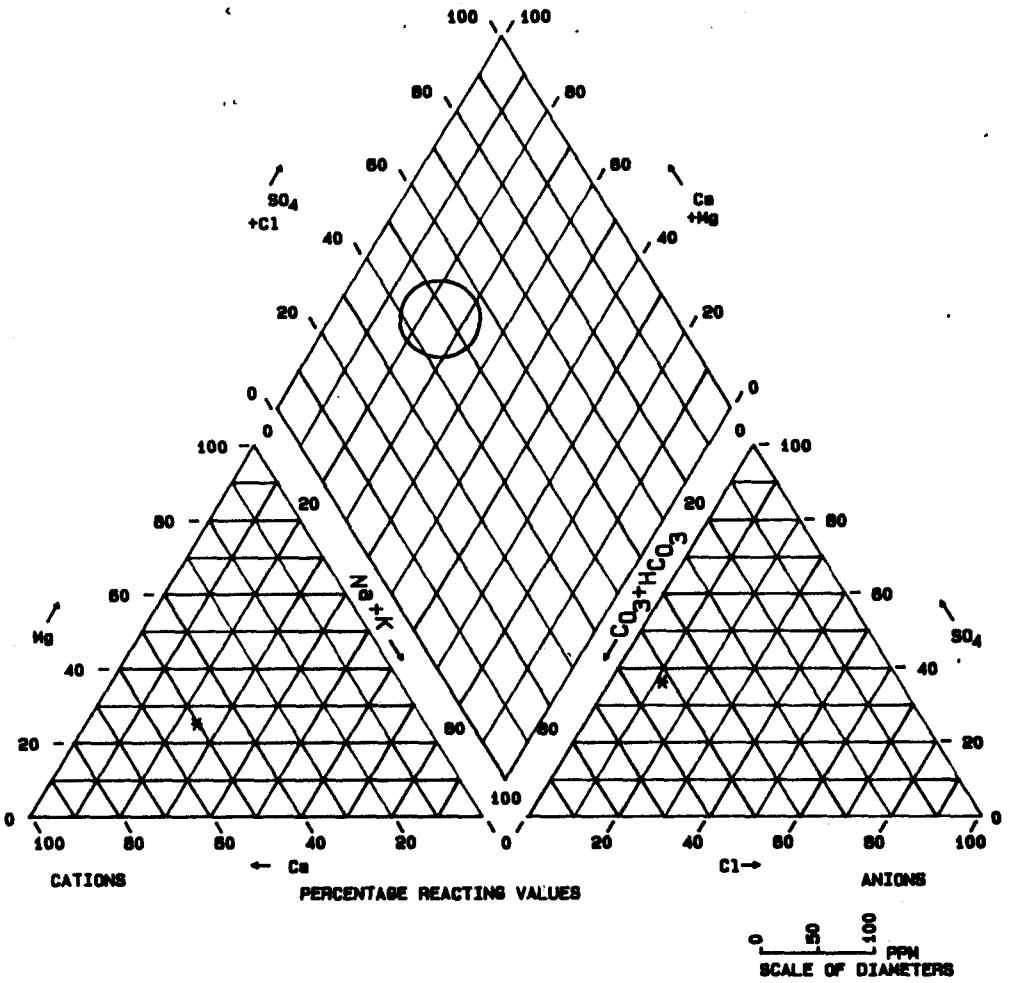
CATIONS	PPM	EPM	% EPM
Ca	7.00	0.35	32.73
Mg	4.00	0.33	30.83
Na+K	11.00	0.39	36.44

ANIONS	PPM	EPM	% EPM
HCO3+CO3	37.00	0.61	59.06
SO4	8.00	0.17	16.22
Cl	9.00	0.25	24.72

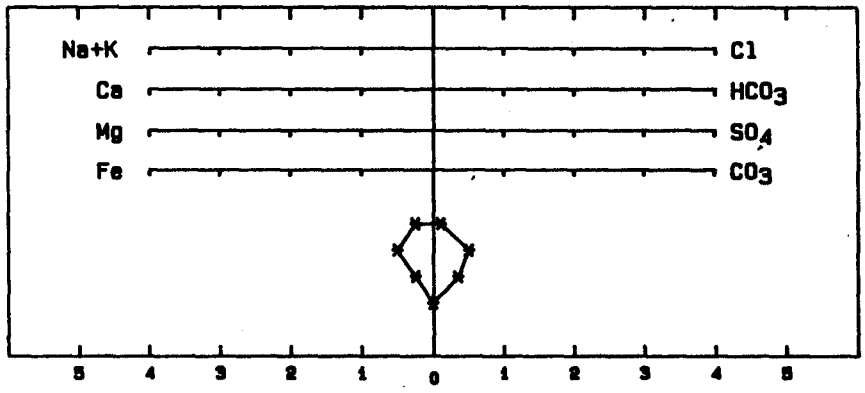
TOTAL DISSOLVED SOLIDS: 105
ERROR IN CATION/ANION BALANCE: 2.08 %
SODIUM ABSORPTION RATION (S.A.R.): 0.45

USAID/DAKAR/SENEGAL

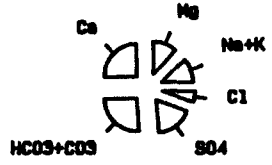
PIPER TRILINEAR DIAGRAM



STIFF GRAPH



PIE DIAGRAM



NOTE ERROR (IF ANY) IN CATION/ANION BALANCE HAS BEEN REMOVED

PROJECT: OMVS/USAID FILE: 625-0958 LOCATION: MATAM 4C	SAMPLE: GA0327 21/12/87	CHEMICAL GRAPHS
USAID/DAKAR/SENEGAL		FIGURE: GA0327

CHEMISTRY ANALYSIS

PROJECT: OMVS/USAID FILE: 625-0958
LOCATION: MATAM 4C

WELL NO.: GA0327 21/12/87

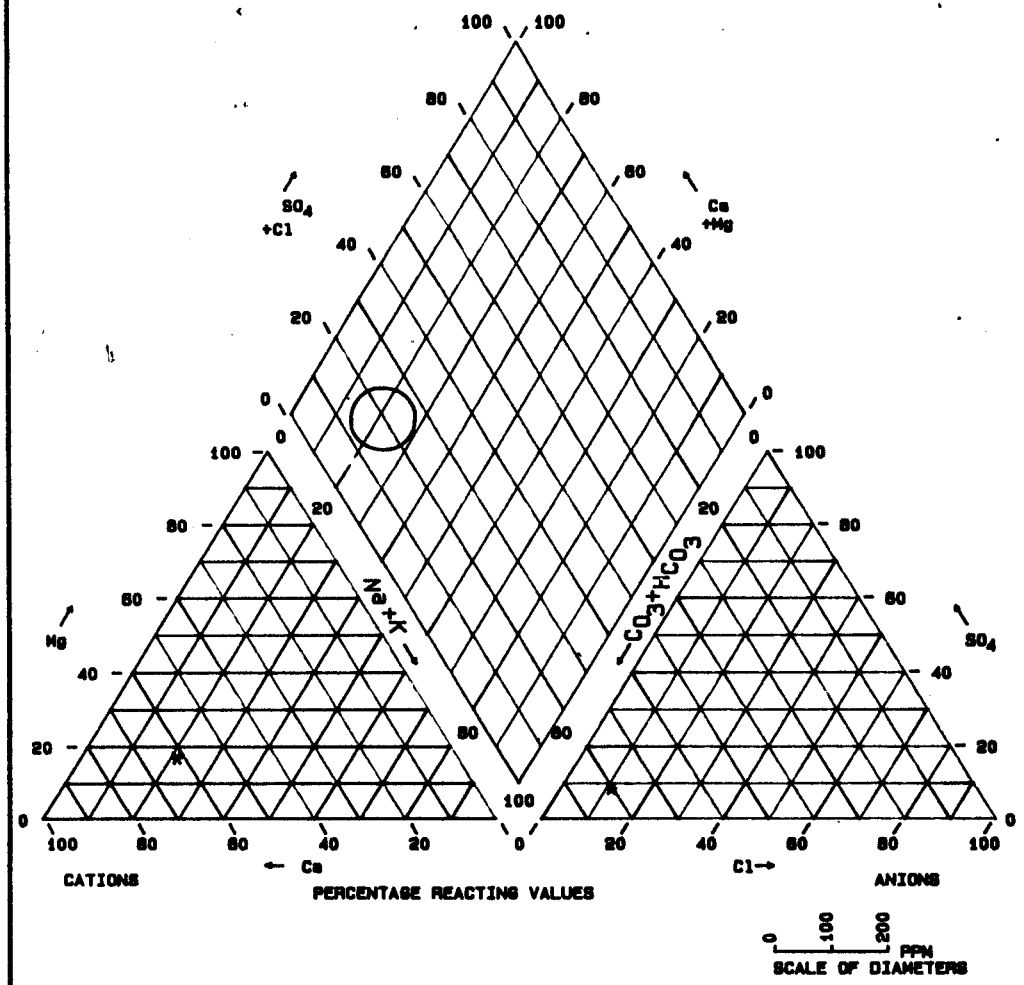
CATIONS	PPM	EPM	% EPM
Ca	10.00	0.50	50.47
Mg	3.00	0.25	24.95
Na+K	6.00	0.24	24.58

ANIONS	PPM	EPM	% EPM
HCO3+CO3	31.00	0.51	52.12
SO4	17.00	0.35	36.31
Cl	4.00	0.11	11.57

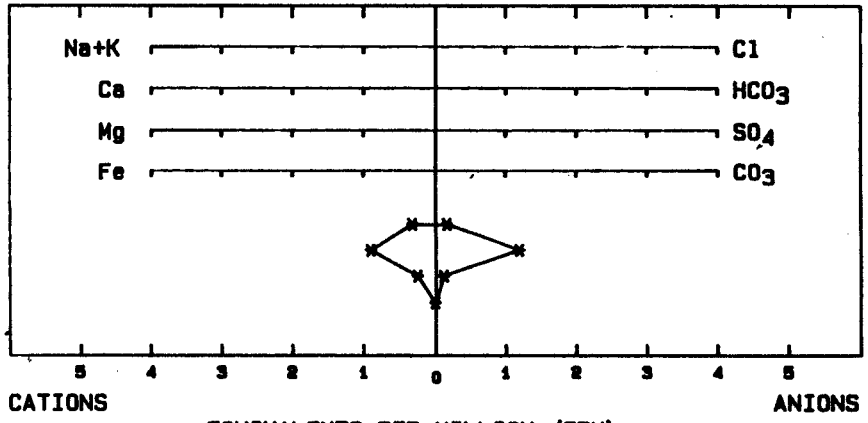
TOTAL DISSOLVED SOLIDS: 90
ERROR IN CATION/ANION BALANCE: 0.71 %
SODIUM ABSORPTION RATION (S.A.R.): 0.36

USAID/DAKAR/SENEGAL

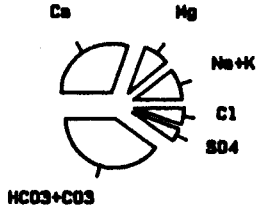
PIPER TRILINEAR DIAGRAM



STIFF GRAPH



PIE DIAGRAM



NOTE ERROR (IF ANY) IN CATION/ANION BALANCE HAS BEEN REMOVED

PROJECT: OMVS/USAID FILE: 625-0958 LOCATION: MATAM 4C	SAMPLE: GA0328 22/12/87	CHEMICAL GRAPHS
USAID/DAKAR/SENEGAL		FIGURE: GA0328

CHEMISTRY ANALYSIS

PROJECT: OMVS/USAID FILE: 625-0958
LOCATION: MATAM 4C

WELL NO.: GA0328 22/12/87

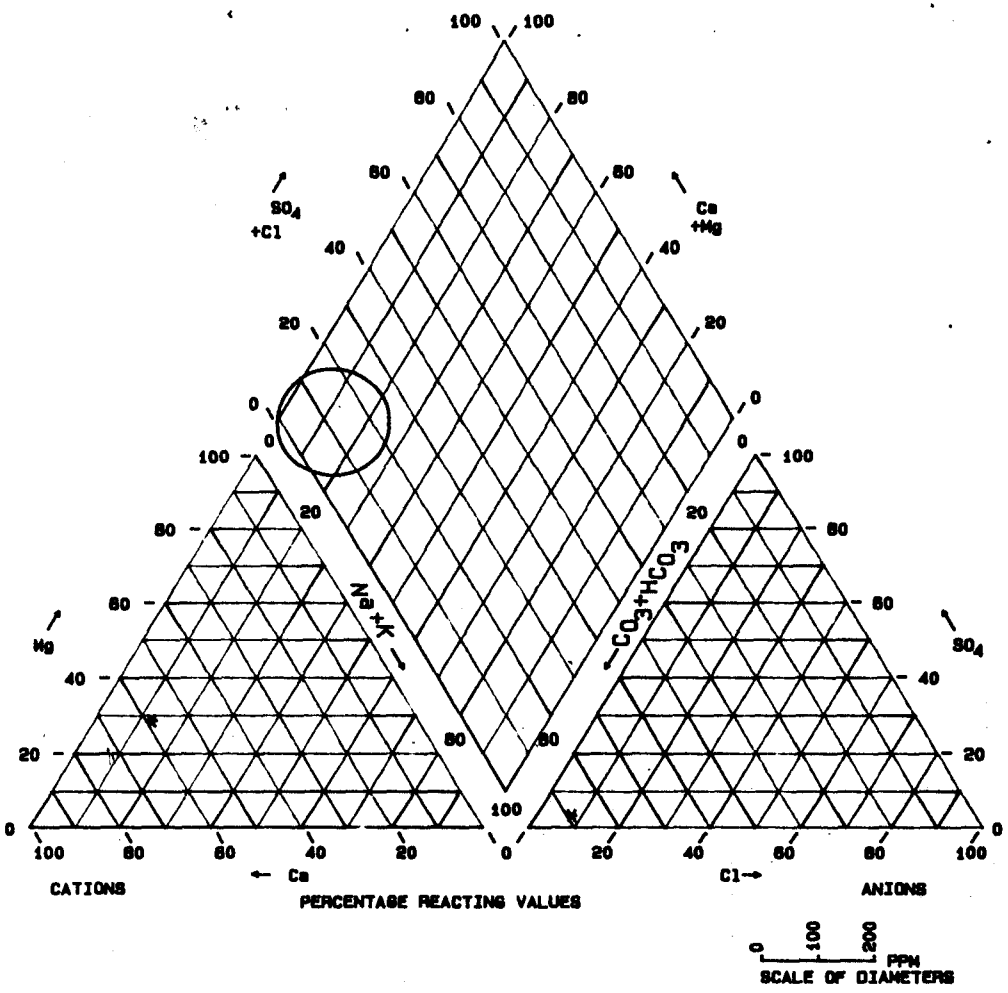
CATIONS	PPM	EPM	% EPM
Ca	18.00	0.90	61.64
Mg	3.00	0.25	16.93
Na+K	8.00	0.31	21.42

ANIONS	PPM	EPM	% EPM
HCO3+CO3	73.00	1.20	80.27
SO4	6.00	0.12	8.38
Cl	6.00	0.17	11.35

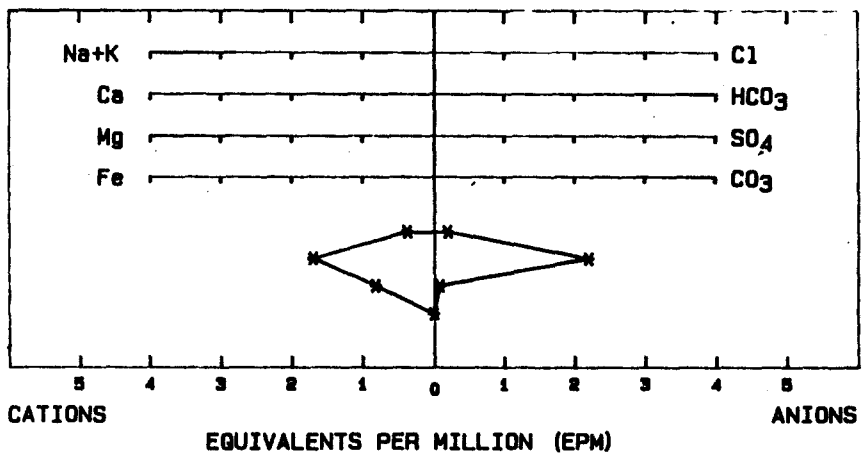
TOTAL DISSOLVED SOLIDS: 120
ERROR IN CATION/ANION BALANCE: 1.14 %
SODIUM ABSORPTION RATION (S.A.R.): 0.34

USAID/DAKAR/SENEGAL

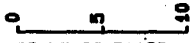
PIPER TRILINEAR DIAGRAM



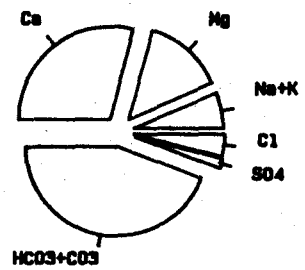
STIFF GRAPH



PIE DIAGRAM



SCALE OF RADII
(TOTAL OF EQUIVALENTS PER MILLION)



NOTE ERROR (IF ANY) IN CATION/ANION BALANCE HAS BEEN REMOVED

PROJECT: OMVS/USAID FILE: 625-0958 LOCATION: MATAM 4C	SAMPLE: GA0333 23/11/87	CHEMICAL GRAPHS
USAID/DAKAR/SENEGAL		FIGURE: GA0333

CHEMISTRY ANALYSIS

PROJECT: OMVS/USAID
LOCATION: MATAM 4C

FILE: 625-0958

WELL NO.: GA0333 23/11/87

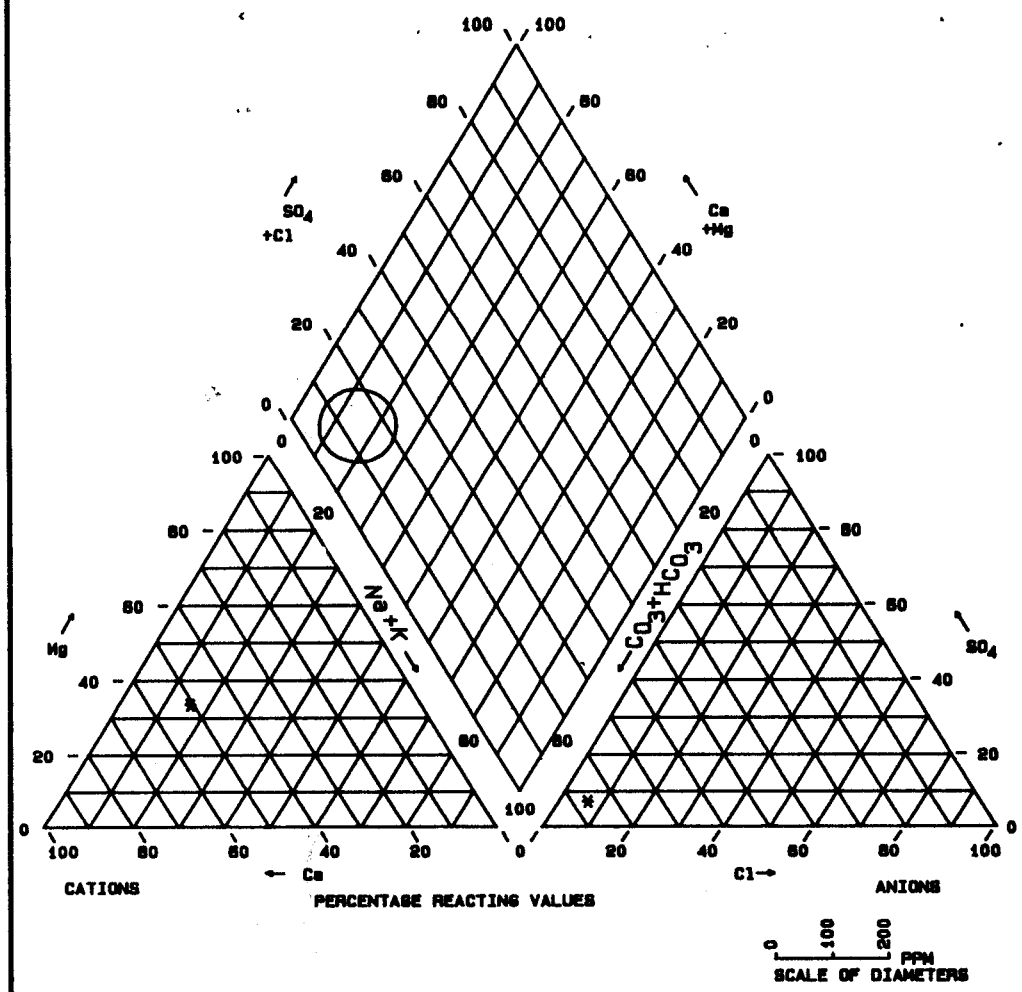
CATIONS	PPM	EPM	% EPM
Ca	34.00	1.70	58.65
Mg	10.00	0.82	28.43
Na+K	9.00	0.37	12.92

ANIONS	PPM	EPM	% EPM
HCO3+CO3	134.00	2.20	88.67
SO4	4.00	0.08	3.36
Cl	7.00	0.20	7.97

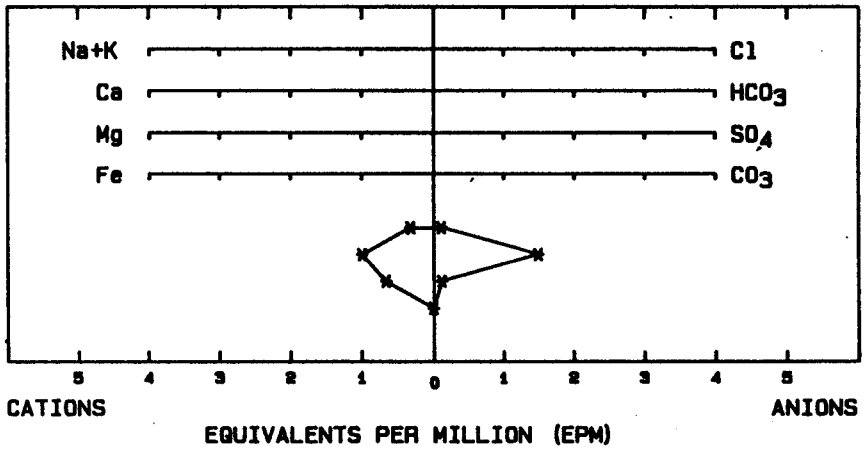
TOTAL DISSOLVED SOLIDS: 170
ERROR IN CATION/ANION BALANCE: 7.74 %
SODIUM ABSORPTION RATION (S.A.R.): 0.31

USAID/DAKAR/SENEGAL

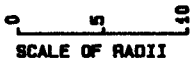
PIPER TRILINEAR DIAGRAM

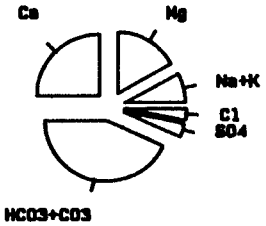


STIFF GRAPH



PIE DIAGRAM





NOTE ERROR (IF ANY) IN CATION/ANION BALANCE HAS BEEN REMOVED

PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: MATAM 4C

SAMPLE: GA0334 23/11/87

CHEMICAL GRAPHS

USAID/DAKAR/SENEGAL

FIGURE: GA0334

CHEMISTRY ANALYSIS

PROJECT: OMVS/USAID FILE: 625-0958
LOCATION: MATAM 4C

WELL NO.: GA0334 23/11/87

CATIONS	PPM	EPM	% EPM
Ca	20.00	1.00	50.71
Mg	8.00	0.66	33.43
Na+K	8.00	0.31	15.86

ANIONS	PPM	EPM	% EPM
HCO3+CO3	91.00	1.49	86.25
SO4	6.00	0.12	7.22
Cl	4.00	0.11	6.52

TOTAL DISSOLVED SOLIDS: 120
ERROR IN CATION/ANION BALANCE: 6.46 %
SODIUM ABSORPTION RATION (S.A.R.): 0.29

USAID/DAKAR/SENEGAL

CHEMISTRY ANALYSIS

PROJECT: OMVS/USAID FILE: 625-0958
LOCATION: MATAM 4C

WELL NO.: GA0337 16/03/88

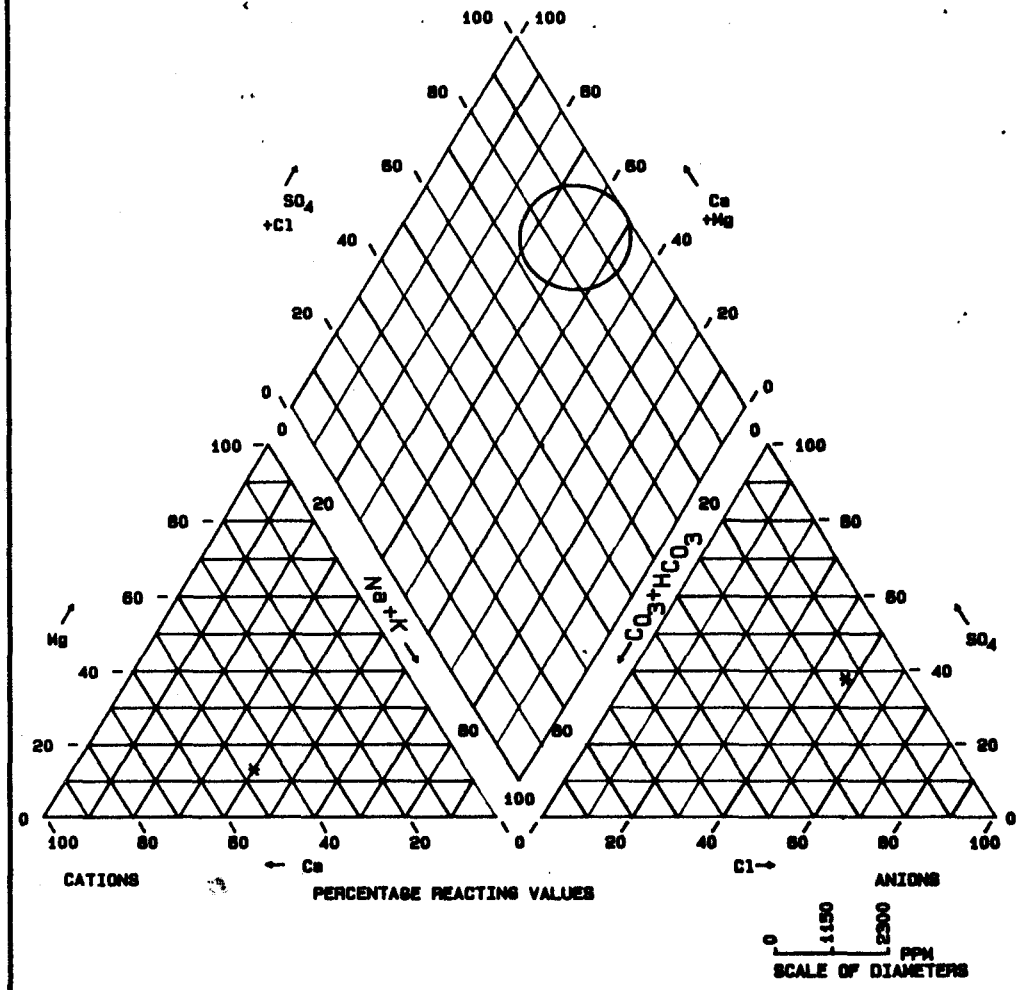
CATIONS	PPM	EPM	% EPM
Ca	19.00	0.95	19.30
Mg	7.00	0.58	11.72
Na+K	82.00	3.39	68.98

ANIONS	PPM	EPM	% EPM
HCO3+CO3	146.00	2.39	60.29
SO4	31.00	0.65	16.26
Cl	33.00	0.93	23.45

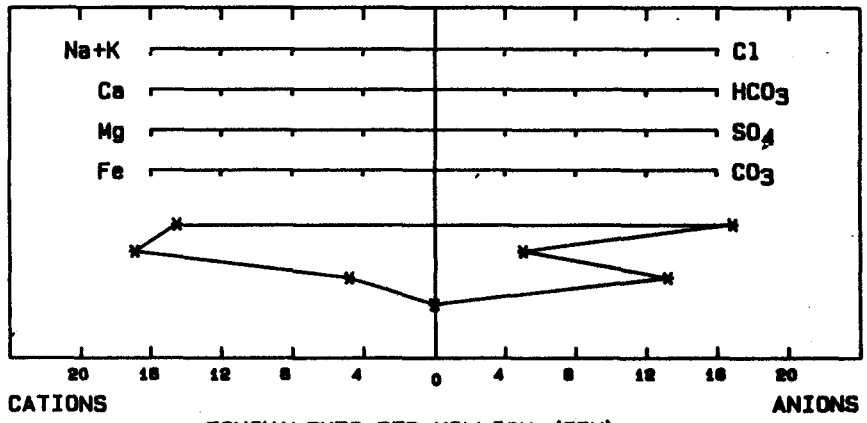
TOTAL DISSOLVED SOLIDS: 310
ERROR IN CATION/ANION BALANCE: 10.61 %
SODIUM ABSORPTION RATION (S.A.R.): 3.59

USAID/DAKAR/SENEGAL

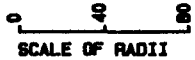
PIPER TRILINEAR DIAGRAM

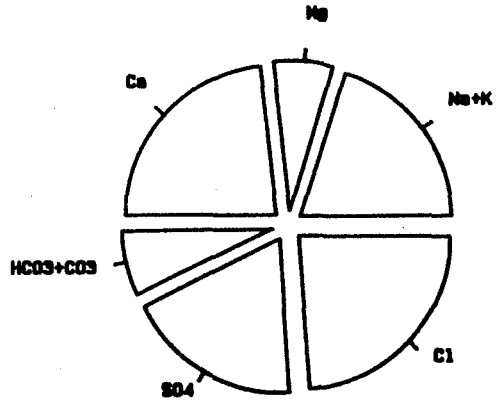


STIFF GRAPH



PIE DIAGRAM





NOTE ERROR (IF ANY) IN CATION/ANION BALANCE HAS BEEN REMOVED

PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: MATAM 4C

SAMPLE: GB0686 21/04/88

CHEMICAL GRAPHS

USAID/DAKAR/SENEGAL

FIGURE: GB0686

CHEMISTRY ANALYSIS

PROJECT: OMVS/USAID FILE: 625-0958
LOCATION: MATAM 4C

WELL NO.: GB0686 21/04/88

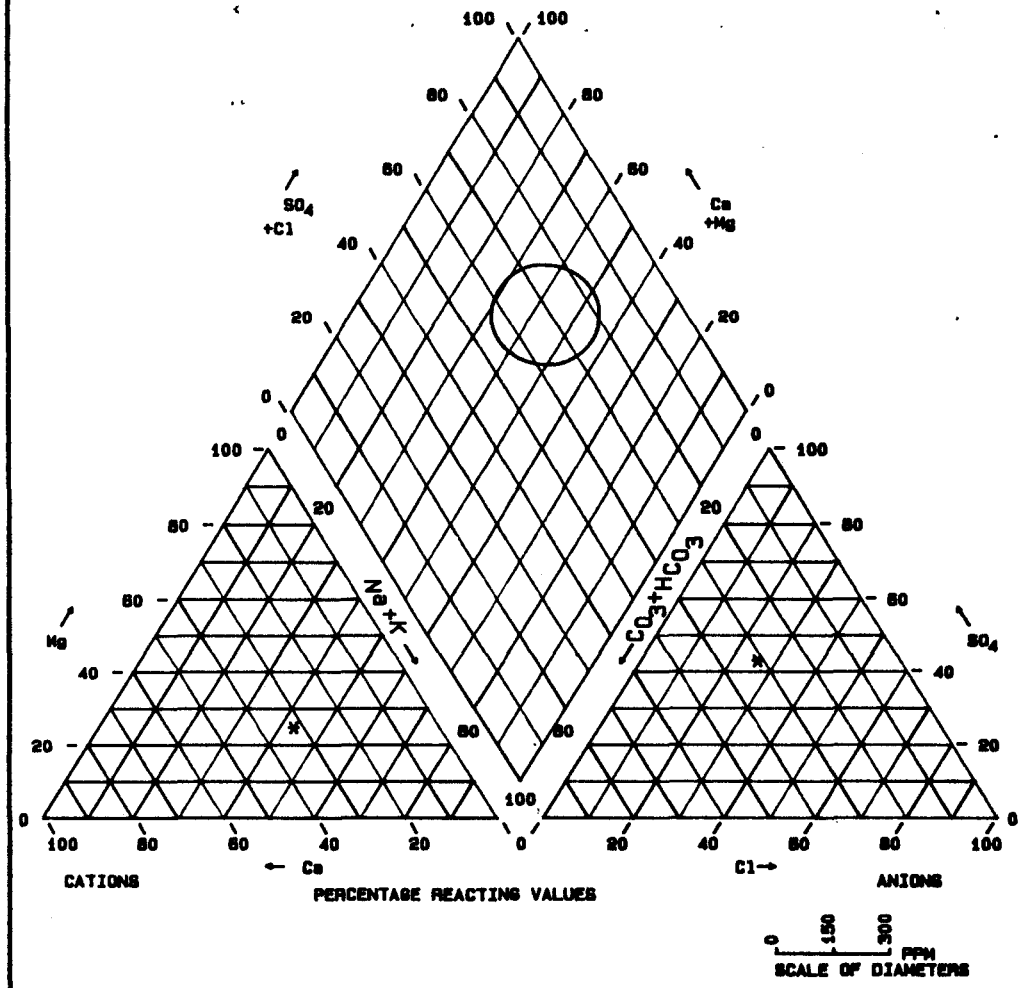
CATIONS	PPM	EPM	% EPM
Ca	339.00	16.92	46.75
Mg	58.00	4.77	13.18
Na+K	335.00	14.50	40.07

ANIONS	PPM	EPM	% EPM
HCO3+CO3	305.00	5.00	14.25
SO4	634.00	13.20	37.62
Cl	599.00	16.89	48.14

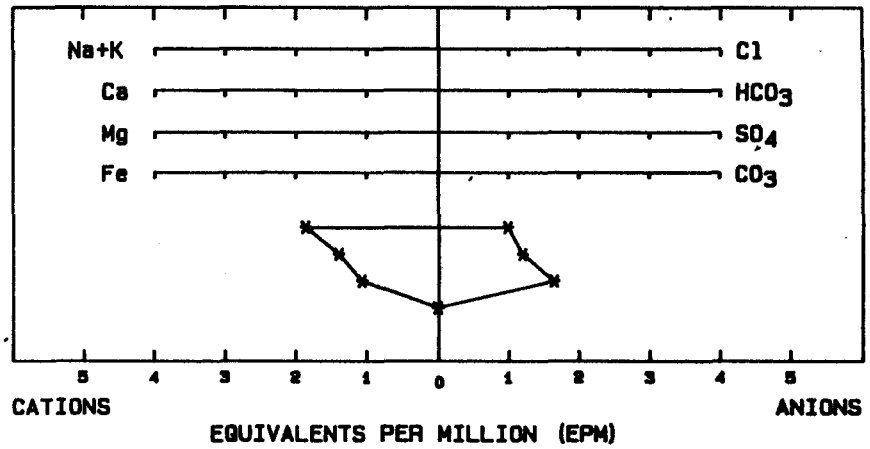
TOTAL DISSOLVED SOLIDS: 2193
ERROR IN CATION/ANION BALANCE: 1.54 %
SODIUM ABSORPTION RATION (S.A.R.): 4.37

USAID/DAKAR/SENEGAL

PIPER TRILINEAR DIAGRAM

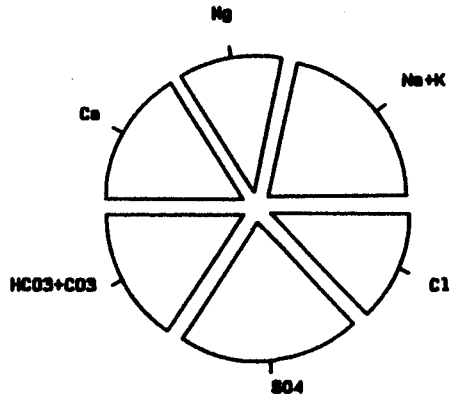


STIFF GRAPH



PIE DIAGRAM

SCALE OF RADII
(TOTAL OF EQUIVALENTS PER MILLION)



NOTE ERROR (IF ANY) IN CATION/ANION BALANCE HAS BEEN REMOVED

PROJECT: OMVS/USAID FILE: 625-0958 LOCATION: MATAM 4C	SAMPLE: GB0975 21/04/88	CHEMICAL GRAPHS
USAID/DAKAR/SENEGAL		FIGURE: GB0975

CHEMISTRY ANALYSIS

PROJECT: OMVS/USAID FILE: 625-0958
LOCATION: MATAM 4C

WELL NO.: GB0975 21/04/88

CATIONS	PPM	EPM	% EPM
Ca	28.00	1.40	32.24
Mg	13.00	1.07	24.67
Na+K	59.00	1.87	43.09

ANIONS	PPM	EPM	% EPM
HCO3+CO3	73.00	1.20	31.25
SO4	79.00	1.64	42.96
Cl	35.00	0.99	25.78

TOTAL DISSOLVED SOLIDS: 242
ERROR IN CATION/ANION BALANCE: 6.23 %
SODIUM ABSORPTION RATION (S.A.R.): 0.78

USAID/DAKAR/SENEGAL