

11003

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

09 KAEDI 1B

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

PROJET OMVS/USAID
625-0958

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REPERTOIRE HYDROGEOLOGIQUE

CARTE TOPOGRAPHIQUE 1:50,000

09 KAEDI 1B

ANNEXE # 1

POUR CHACUN DES PIEZOMETRES

- * Coupes géologiques et techniques
- * Coupes géologiques avec les commentaires
- * Description stratigraphiques
- * Guide lexicologique

PROJET OMVS/USAID
625-0958

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B) OBSERVATIONS SUR LA COLONNE "COMMENTAIRES GEOLOGIQUES"

L'utilisation du progiciel GROUNDWATER impose certaines contraintes de saisie liées à l'impression des différents rapports:

- * la coupe géologique
- * le tableau de synthèse.

L'espace alloué à l'impression des commentaires dans le tableau de synthèse est limité à 22 caractères. Toutefois, cette limite (22 caractères) peut être débordée lors du tracé de la coupe géologique.

Par conséquent, dans la pratique afin d'assurer la lisibilité des tableaux de synthèse et des coupes géologiques, le principe de codification suivant a été adopté:

XXXX 22 caractères XXXX style libre

SEQ 1: limitée à 4 caractères.

SEQ 2: limitée à 6 caractères.

SEQ 3: limitée à 10 caractères.

DEFINITION DES SEQUENCES + CODES UTILISES

SEQ 1: Formation géologique. Les codes géologiques utilisés sont ceux de la banque GES (voir ci-après).

SEQ 2: Couleur. La définition des couleurs utilisera les deux premières lettres de la couleur concernée.
EX.: un échantillon brun sera codifié: BR;
un échantillon brun gris sera codifié: BR/GR;.

SEQ 3: Analyse granulométrique. Cette séquence indique la présence d'une analyse granulométrique associée à l'échantillon décrit. L'abréviation utilisée est:
AN. GRANU.

N.B.: Au-delà de la SEQ 3, les commentaires sont en style libre. Ceux-ci apparaîtront seulement à l'impression de la coupe géologique détaillée.

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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

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GROUNDWATER/CODIFICATION DES DESCRIPTIONS STRATIGRAPHIQUES

CODES	DESCRIPTIONS LITHOLOGIQUES	
	ABREGEES ¹	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

¹ La description abrégée est limitée à un maximum de 11 caractères pour des contraintes de représentations graphiques.

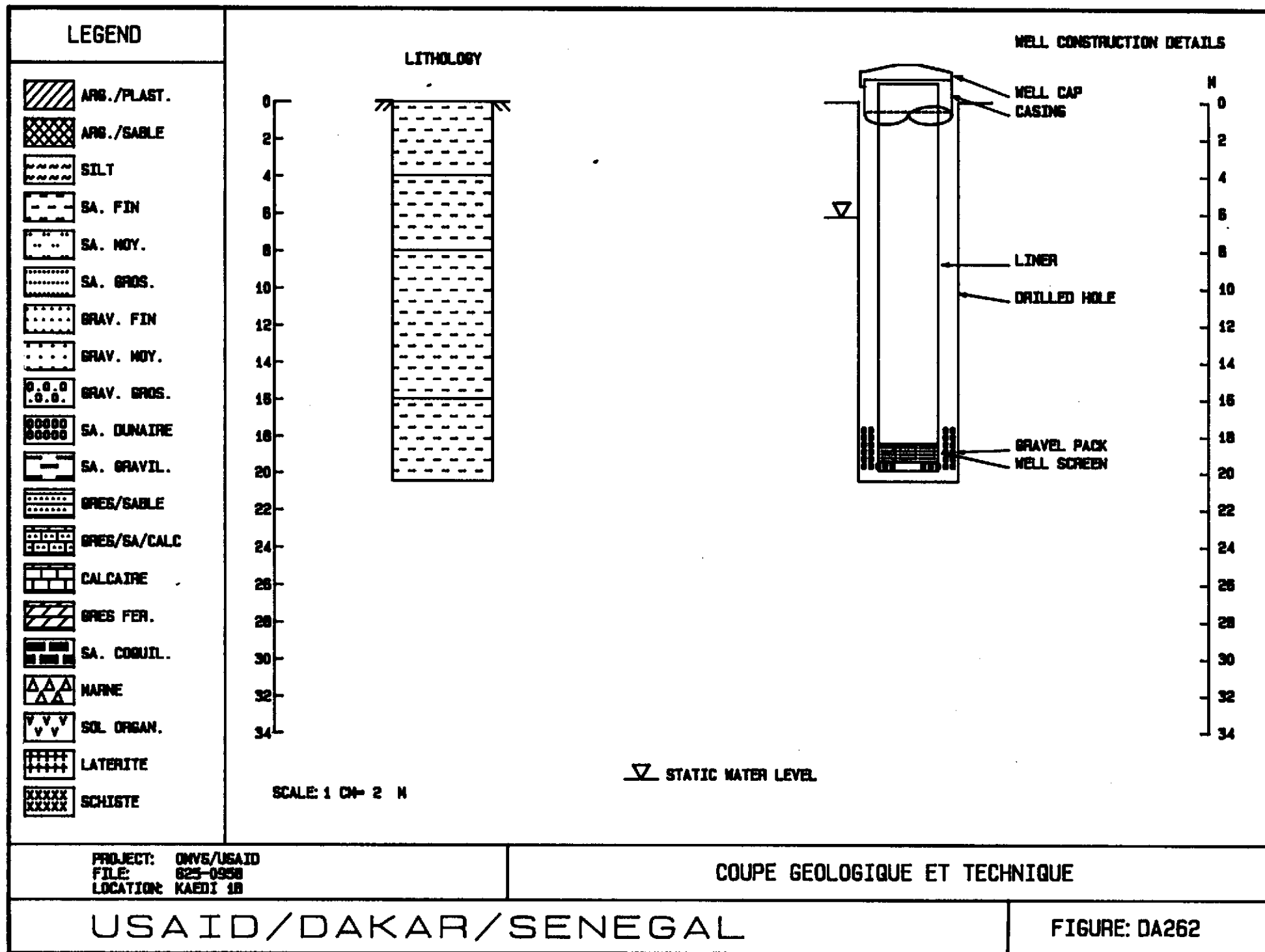
PROJET OMVS/USAID
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GROUNDWATER/CODIFICATION GEOLOGIQUE*

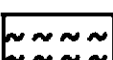
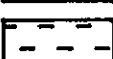
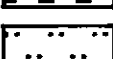
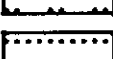
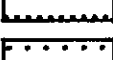
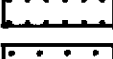
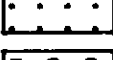
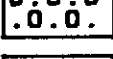
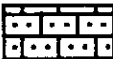
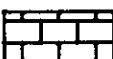
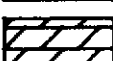
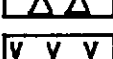
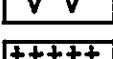
CODES	DESCRIPTIONS GEOLOGIQUES
CO	Primaire/ Cambrien ordovicien/ série de MBOUT/BAKEL.
CT	Tertiaire/ Continental terminal.
EC	Tertiaire/ Eocène à faciès continental.
EM	Tertiaire/ Eocène à faciès marin indifférencié.
EMI	Tertiaire/ Eocène inférieur à faciès marin.
EMM	Tertiaire/ Eocène moyen à faciès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

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

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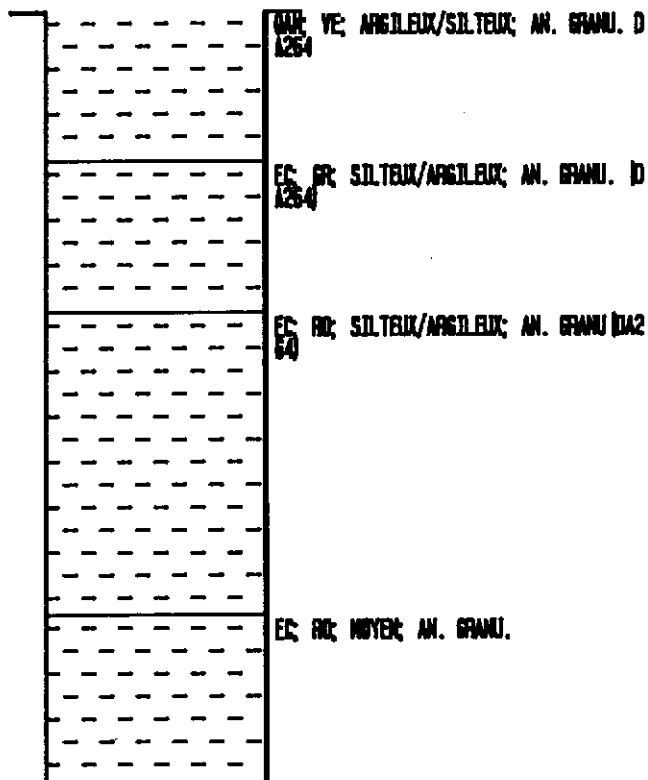


LEGEND

	ARG./PLAST.	0
	ARG./SABLE	2
	SILT	4
	SA. FIN	6
	SA. MOY.	8
	SA. GROS.	10
	GRAV. FIN	12
	GRAV. MOY.	14
	GRAV. GROS.	16
	SA. DUNAIRE	18
	SA. GRAVIL.	20
	GRES/SABLE	22
	GRES/SA/CALC	24
	CALCAIRE	26
	GRES FER.	28
	SA. COQUIL.	30
	MARNE	32
	SOL ORGAN.	34
	LATERITE	
	SCHISTE	

SCALE IN M

DA262



PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: KAEDI 1B

LITHOLOGY

USAID/DAKAR/SENEGAL

FIGURE DA262

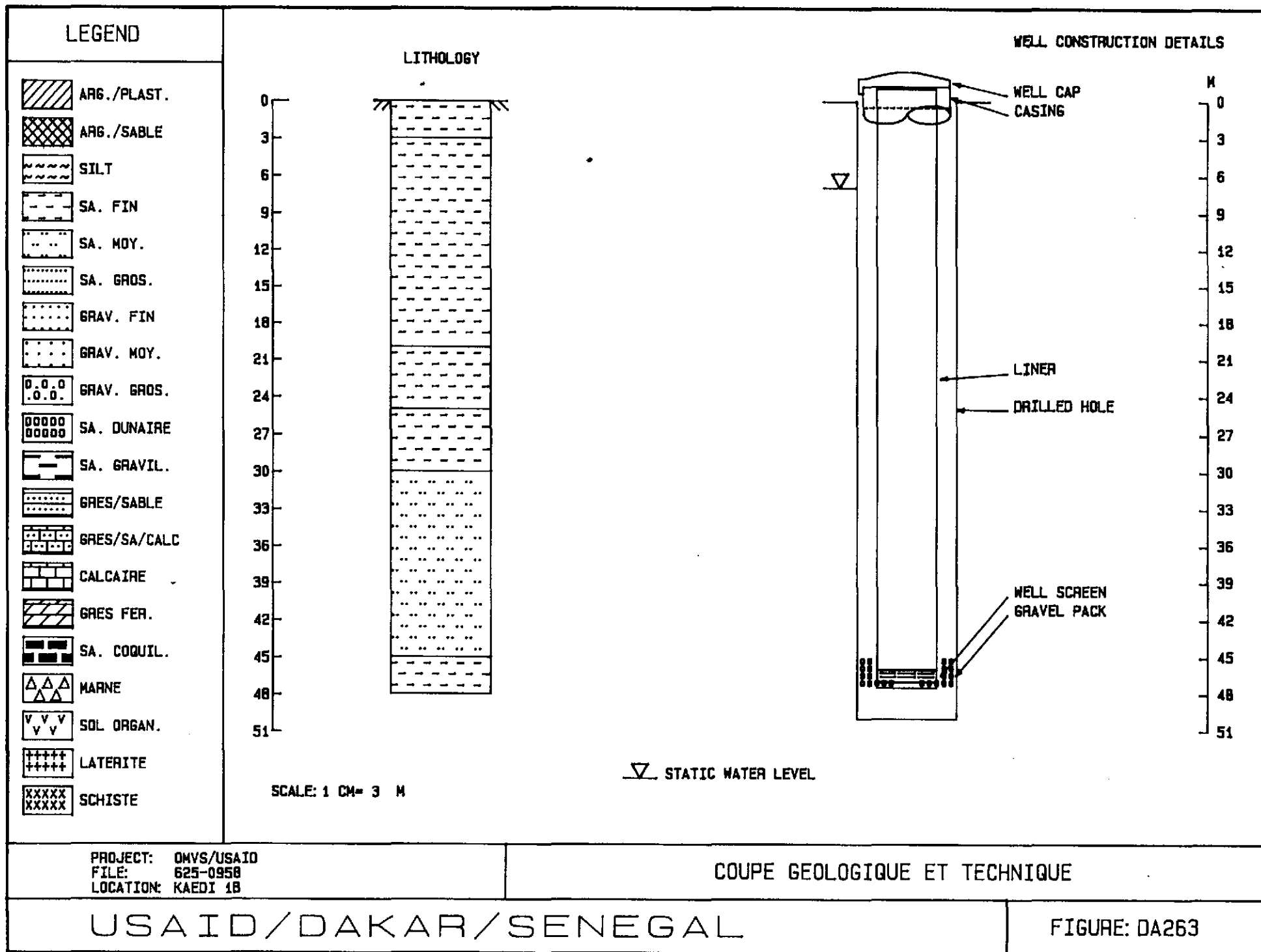
WELL LITHOLOGY

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WELL NO.: DA262
DRILLER: SAFOR

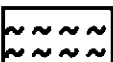
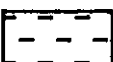
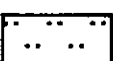
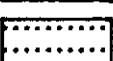
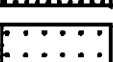
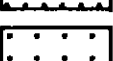
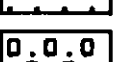
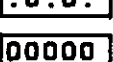
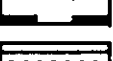
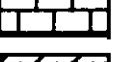
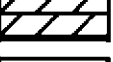
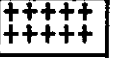
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DATE DRILLED: 01/11/87
TYPE OF RIG: ROTARY

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FROM	TO	FROM	TO		
0.00	4.00	11.71	7.71	4.00	SA. FIN, QAM; VE; ARGILE
4.00	8.00	7.71	3.71	4.00	SA. FIN, EC; GR; SILTEUX
8.00	16.00	3.71	-4.29	8.00	SA. FIN, EC; RO; SILTEUX
16.00	20.50	-4.29	-8.79	4.50	SA. FIN, EC; RO; MOYEN;

USAID/DAKAR/SENEGAL

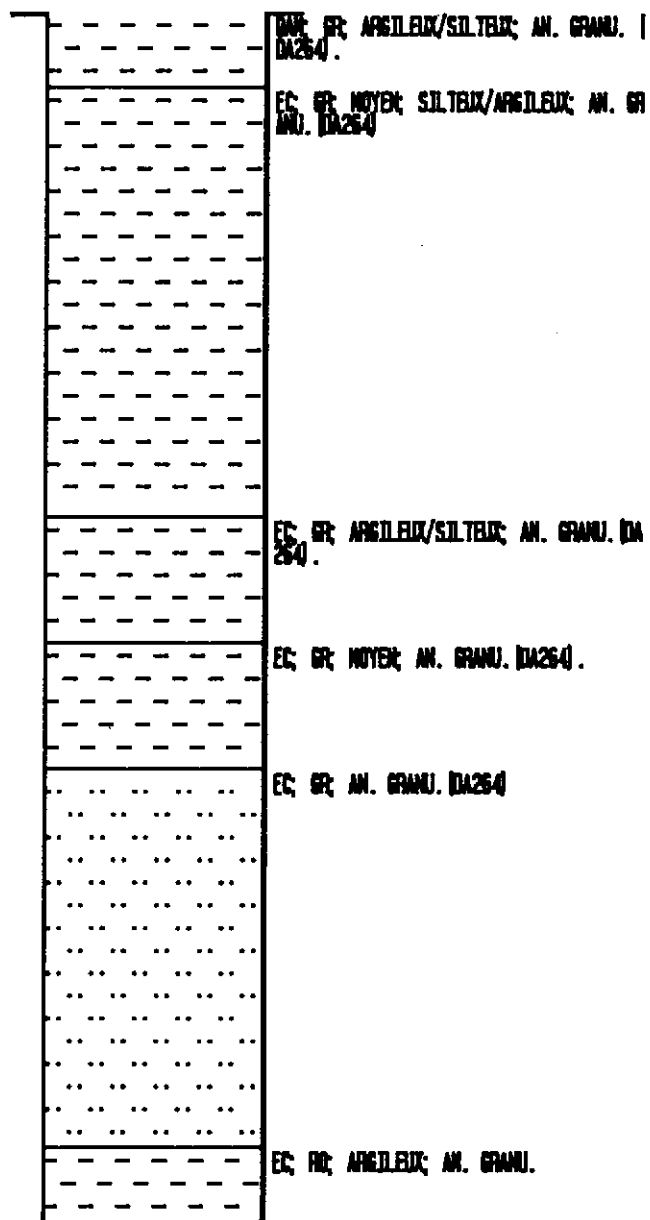


LEGEND

	ARG./PLAST.	0
	ARG./SABLE	3
	SILT	6
	SA. FIN	9
	SA. MOY.	12
	SA. GROS.	15
	GRAV. FIN	18
	GRAV. MOY.	21
	GRAV. GROS.	24
	SA. DUNAIRE	27
	SA. GRAVIL.	30
	GRES/SABLE	33
	GRES/SA/CALC	36
	CALCAIRE	39
	GRES FER.	42
	SA. COQUIL.	45
	MARNE	48
	SOL ORGAN.	51
	LATERITE	
	SCHISTE	

SCALE IN M

DA263



PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: KAEDI 1B

LITHOLOGY

USAID/DAKAR/SENEGAL

FIGURE DA263

WELL LITHOLOGY

PROJECT: OMVS/USAID
 LOCATION: KAEDI 1B
 WELL NO.: DA263
 DRILLER: SAFOR

FILE NO.: 625-0958
 ELEVATION (M): 11.716
 DATE DRILLED: 02/11/87
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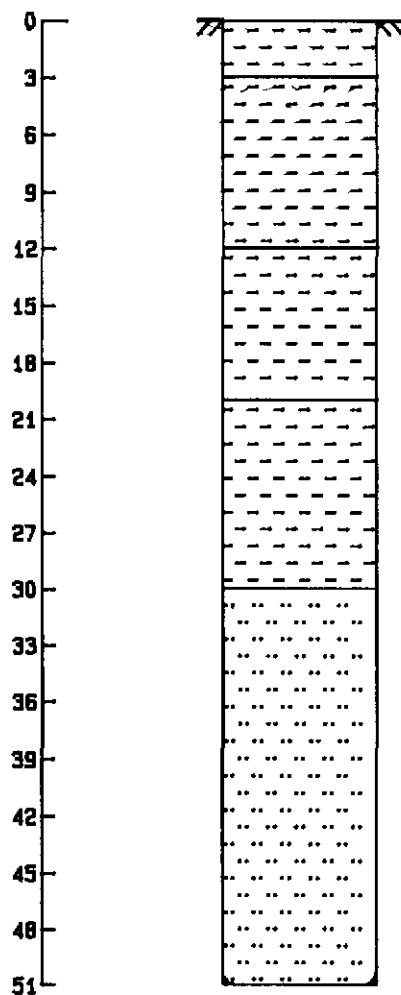
DEPTH (M)		ELEVATION (M)		THICKNESS (M)	LITHOLOGY
FROM	TO	FROM	TO		
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3.00	20.00	8.72	-8.28	17.00	SA. FIN,EC; GR; MOYEN;
20.00	25.00	-8.28	-13.28	5.00	SA. FIN,EC; GR; ARGILEU
25.00	30.00	-13.28	-18.28	5.00	SA. FIN,EC; GR; MOYEN;
30.00	45.00	-18.28	-33.28	15.00	SA. MOY.,EC; GR; AN. GR
45.00	48.00	-33.28	-36.28	3.00	SA. FIN,EC; RO; ARGILEU

USAID/DAKAR/SENEGAL

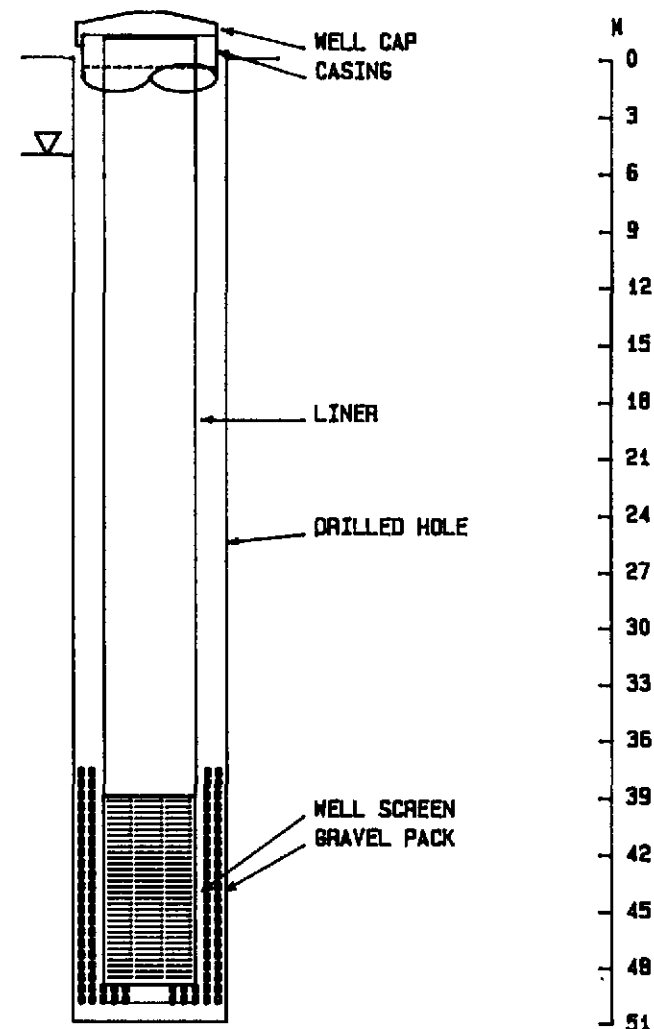
LEGEND

	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



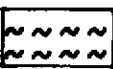
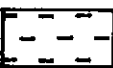
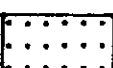
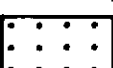
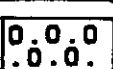
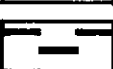
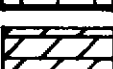
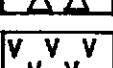
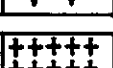
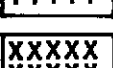
PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: KAEDI 18

COUPE GEOLOGIQUE ET TECHNIQUE

USAID/DAKAR/SENEGAL

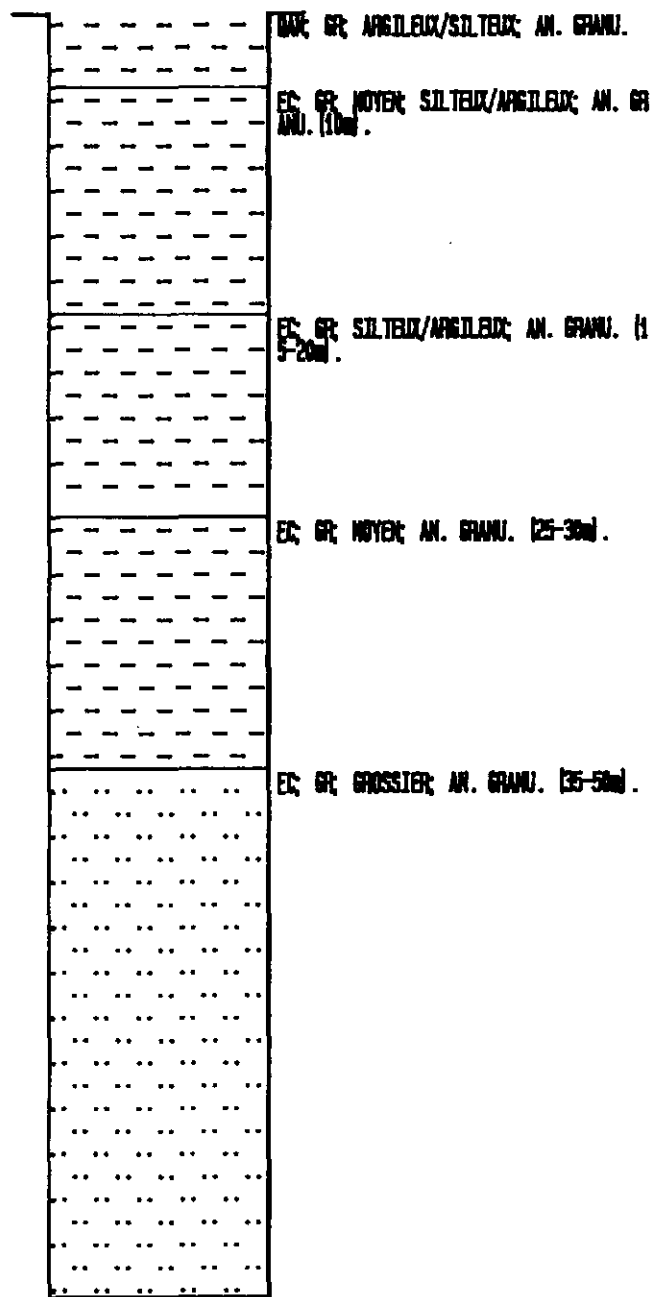
FIGURE: DA264

LEGEND

	ARG./PLAST.	0
	ARG./SABLE	3
	SILT	6
	SA. FIN	9
	SA. MOY.	12
	SA. GROS.	15
	GRAV. FIN	18
	GRAV. MOY.	21
	GRAV. GROS.	24
	SA. DUNAIRE	27
	SA. GRAVIL.	30
	GRES/SABLE	33
	GRES/SA/CALC	36
	CALCAIRE	39
	GRES FER.	42
	SA. COQUIL.	45
	MARNE	48
	SOL ORGAN.	51
	LATERITE	
	SCHISTE	

SCALE IN M

DA264



PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: KAEDI 1B

LITHOLOGY

USAID/DAKAR/SENEGAL

FIGURE DA264

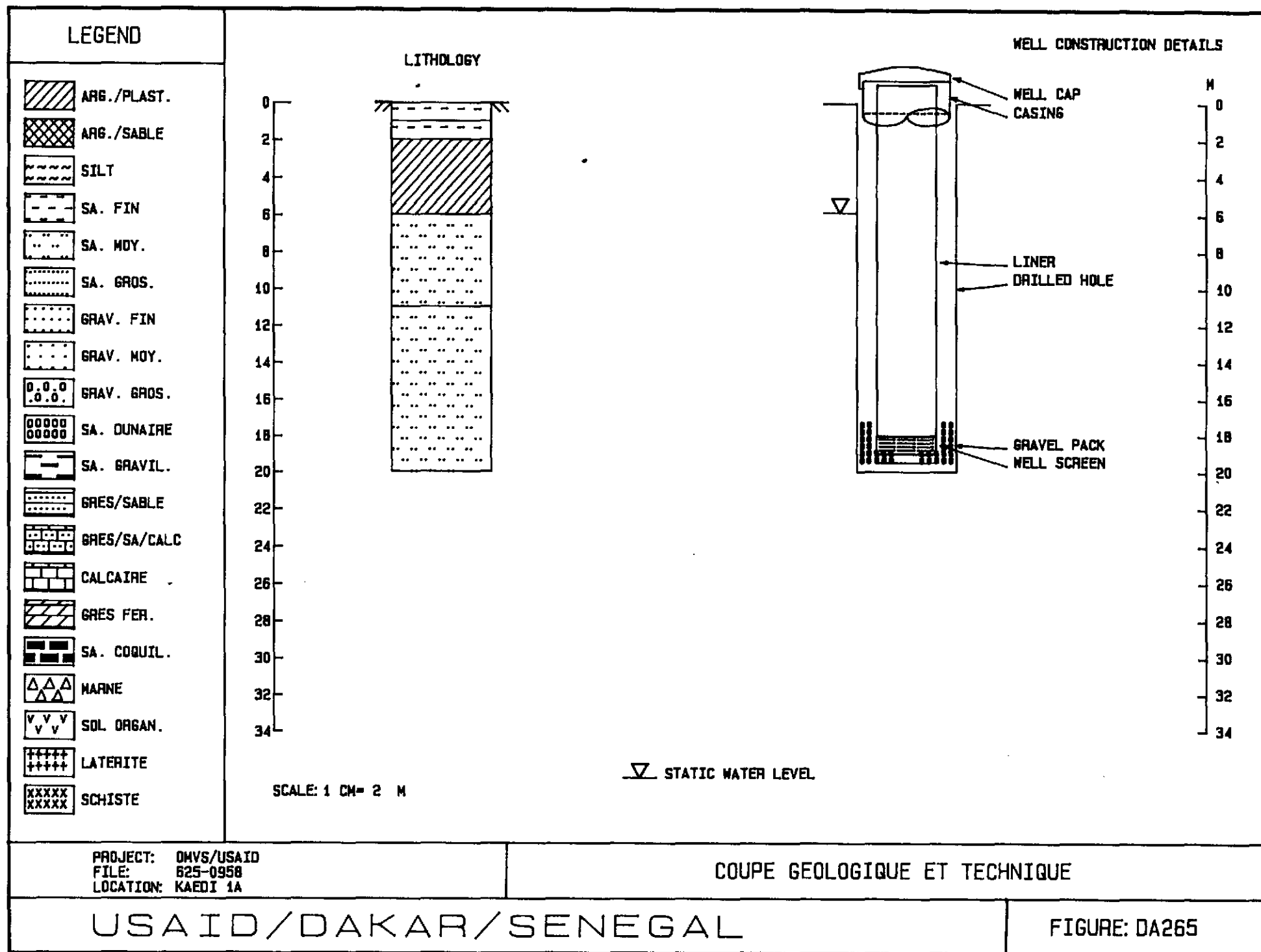
WELL LITHOLOGY

PROJECT: OMVS/USAID
 LOCATION: KAEDI 1B
 WELL NO.: DA264
 DRILLER: SAFOR

FILE NO.: 625-0958
 ELEVATION (M): 11.554
 DATE DRILLED: 01/11/87
 TYPE OF RIG: ROTARY

DEPTH (M)		ELEVATION (M)		THICKNESS (M)	LITHOLOGY
FROM	TO	FROM	TO		
0.00	3.00	11.55	8.55	3.00	SA. FIN, GAN; GR; ARGILE
3.00	12.00	8.55	-0.45	9.00	SA. FIN, EC; GR; MOYEN;
12.00	20.00	-0.45	-8.45	8.00	SA. FIN, EC; GR; SILTEUX
20.00	30.00	-8.45	-18.45	10.00	SA. FIN, EC; GR; MOYEN;
30.00	51.00	-18.45	-39.45	21.00	SA. MOY., EC; GR; GROSSI

USAID/DAKAR/SENEGAL



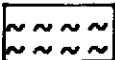
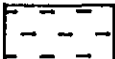
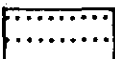
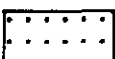
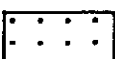
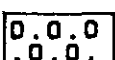
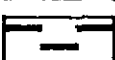
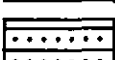
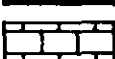
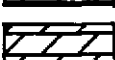
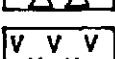
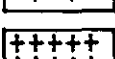
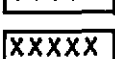
PROJECT: DMVS/USAID
 FILE: 825-0958
 LOCATION: KAEDI 1A

COUPE GEOLOGIQUE ET TECHNIQUE

USAID/DAKAR/SENEGAL

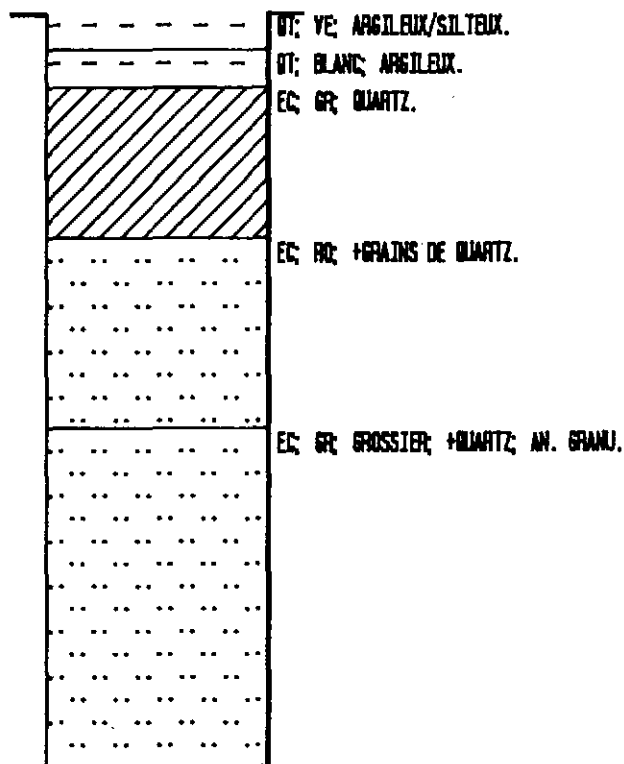
FIGURE: DA265

LEGEND

	ARG./PLAST.	0
	ARG./SABLE	2
	SILT	4
	SA. FIN	6
	SA. MOY.	8
	SA. GROS.	10
	GRAV. FIN	12
	GRAV. MOY.	14
	GRAV. GROS.	16
	SA. DUNAIRE	18
	SA. GRAVIL.	20
	GRES/SABLE	22
	GRES/SA/CALC	24
	CALCAIRE	26
	GRES FER.	28
	SA. COQUIL.	30
	MARNE	32
	SOL ORGAN.	34
	LATERITE	
	SCHISTE	

SCALE IN M

DA265



PROJECT: OMVS/USAID
 FILE: 625-0958
 LOCATION: KAEDI 18

LITHOLOGY

USAID/DAKAR/SENEGAL

FIGURE DA265

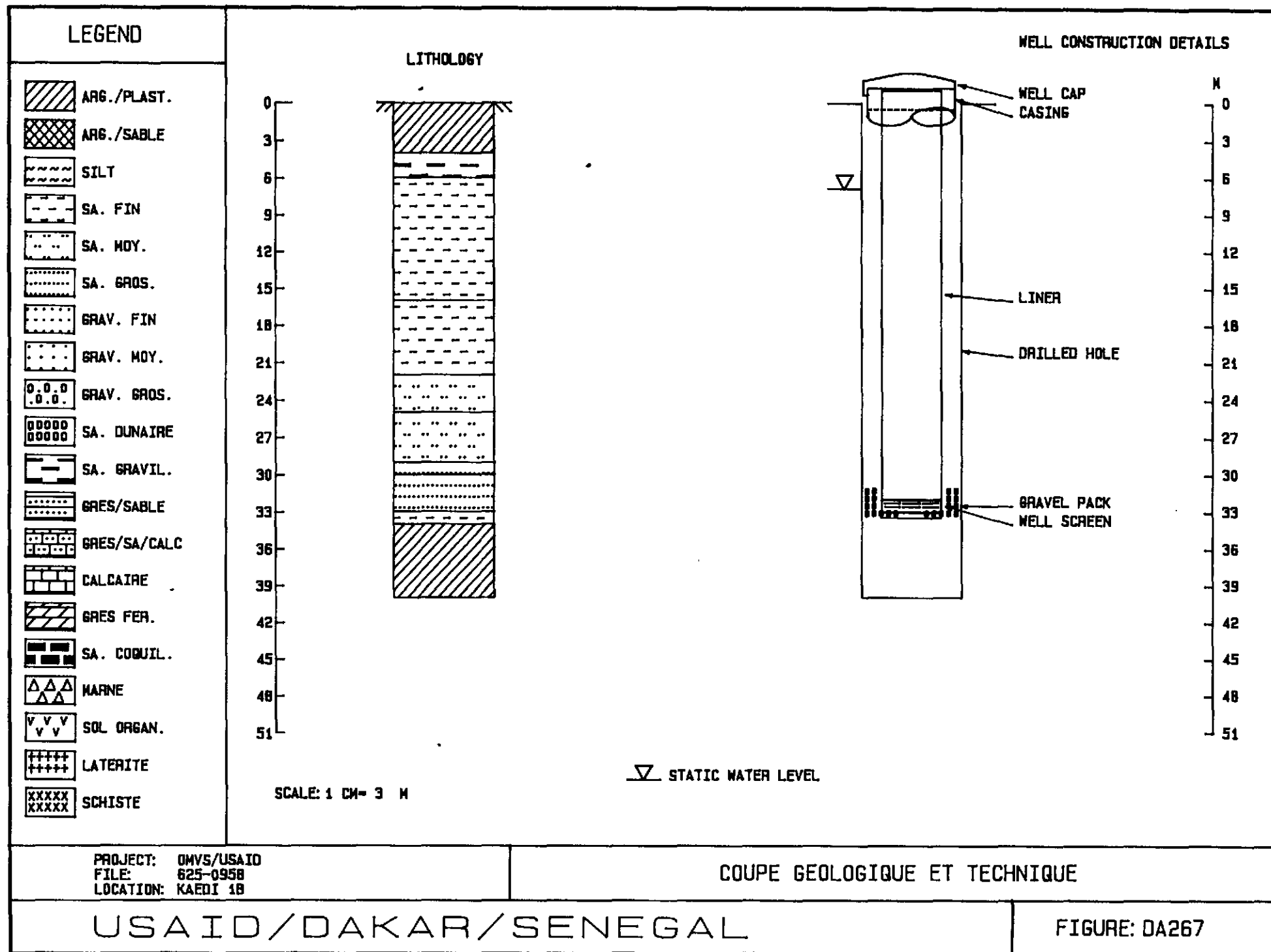
WELL LITHOLOGY

PROJECT: OMVS/USAID
LOCATION: KAEDI 1A
WELL NO.: DA265
DRILLER: SAFOR

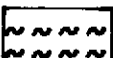
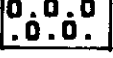
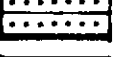
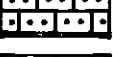
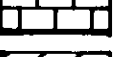
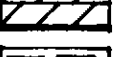
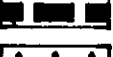
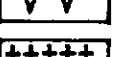
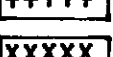
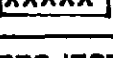
FILE NO.: 625-0958
ELEVATION (M): 9.989001
DATE DRILLED: 02/11/87
TYPE OF RIG: ROTARY

DEPTH (M)		ELEVATION (M)		THICKNESS (M)	LITHOLOGY
FROM	TO	FROM	TO		
0.00	1.00	9.99	8.99	1.00	SA. FIN,QT; VE; ARGILEU
1.00	2.00	8.99	7.99	1.00	SA. FIN,QT; BLANC; ARG
2.00	6.00	7.99	3.99	4.00	ARG./PLAST.,EC; GR; GUA
6.00	11.00	3.99	-1.01	5.00	SA. MOY.,EC; RO; +GRAIN
11.00	20.00	-1.01	-10.01	9.00	SA. MOY.,EC; GR; GROSSI

USAID/DAKAR/SENEGAL

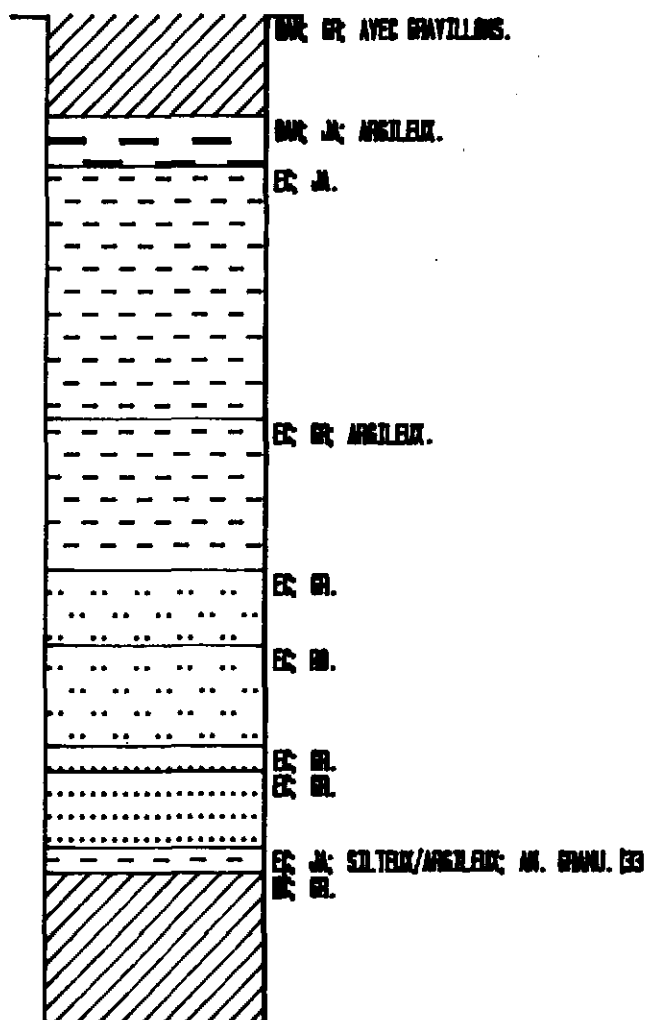


LEGEND

	ARG./PLAST.	0
	ARG./SABLE	3
	SILT	6
	SA. FIN	9
	SA. MOY.	12
	SA. GROS.	15
	GRAV. FIN	18
	GRAV. MOY.	21
	GRAV. GROS.	24
	SA. DUNAIRE	27
	SA. GRAVIL.	30
	GRES/SABLE	33
	GRES/SA/CALC	36
	CALCAIRE	39
	GRES FER.	42
	SA. COQUIL.	45
	MARNE	48
	SOL ORGAN.	51
	LATERITE	
	SCHISTE	

SCALE IN M

DA267



PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: KAEDI 18

LITHOLOGY

USAID/DAKAR/SENEGAL

FIGURE DA267

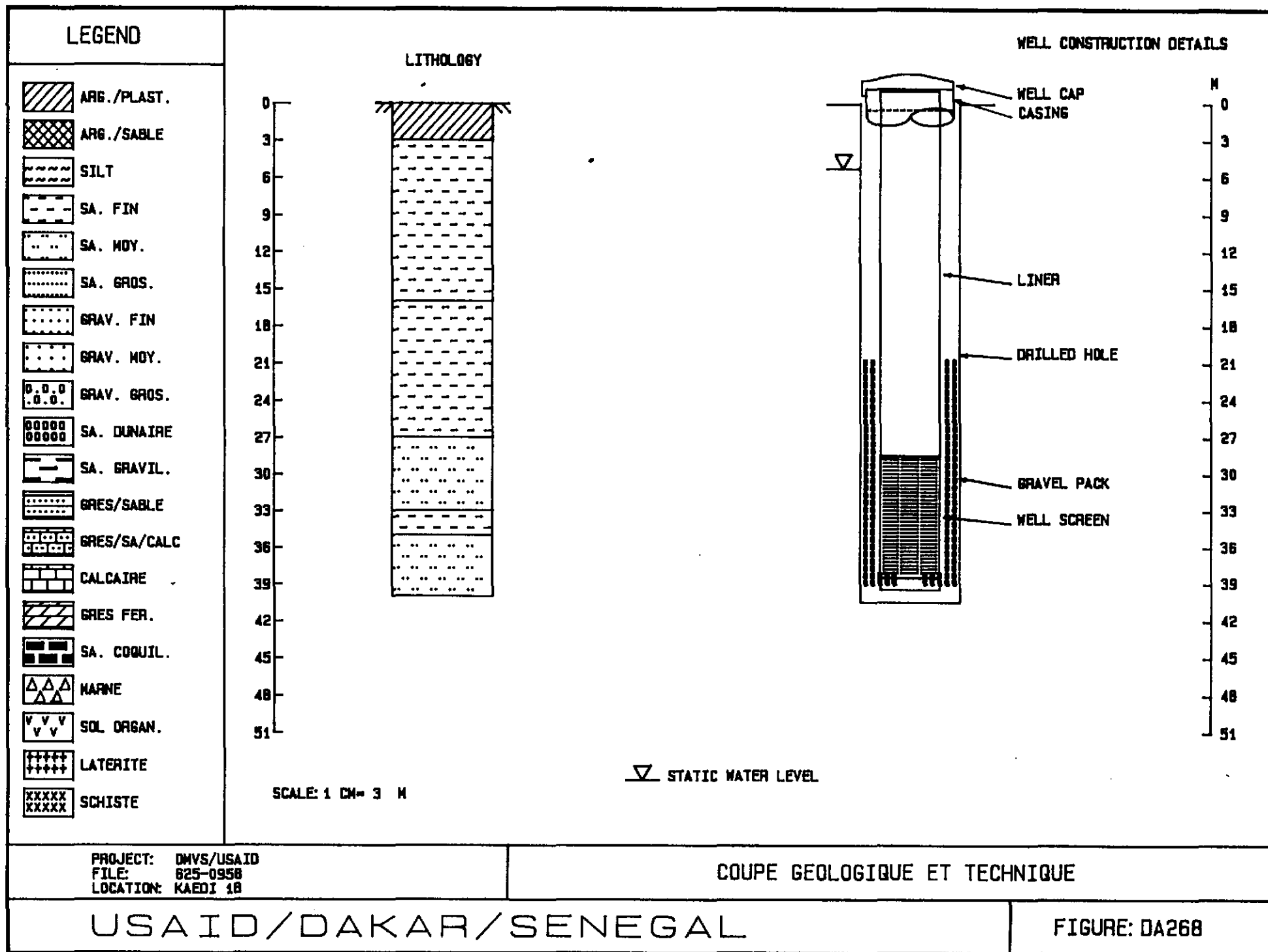
WELL LITHOLOGY

PROJECT: OMVS/USAID
LOCATION: KAEDI 1B
WELL NO.: DA267
DRILLER: SAFOR

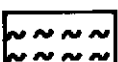
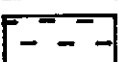
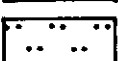
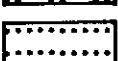
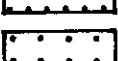
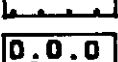
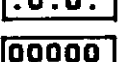
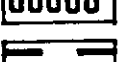
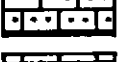
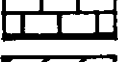
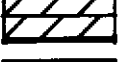
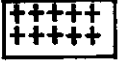
FILE NO.: 625-0958
ELEVATION (M): 11.291
DATE DRILLED: 03/11/87
TYPE OF RIG: ROTARY

DEPTH (M)		ELEVATION (M)		THICKNESS (M)	LITHOLOGY
FROM	TO	FROM	TO		
0.00	4.00	11.29	7.29	4.00	ARG./PLAST., AQM; GR; AV
4.00	6.00	7.29	5.29	2.00	SA. GRAVIL., GAM; JA; AR
6.00	16.00	5.29	-4.71	10.00	SA. FIN, EC; JA.
16.00	22.00	-4.71	-10.71	6.00	SA. FIN, EC; GR; ARGILEU
22.00	25.00	-10.71	-13.71	3.00	SA. MOY., EC; GR.
25.00	29.00	-13.71	-17.71	4.00	SA. MOY., EC; RO.
29.00	30.00	-17.71	-18.71	1.00	SA. GROS., EC; GR.
30.00	33.00	-18.71	-21.71	3.00	SA. GROS., EC; GR.
33.00	34.00	-21.71	-22.71	1.00	SA. FIN, EC; JA; SILTEUX
34.00	40.00	-22.71	-28.71	6.00	ARG./PLAST., EC; GR.

USAID/DAKAR/SENEGAL

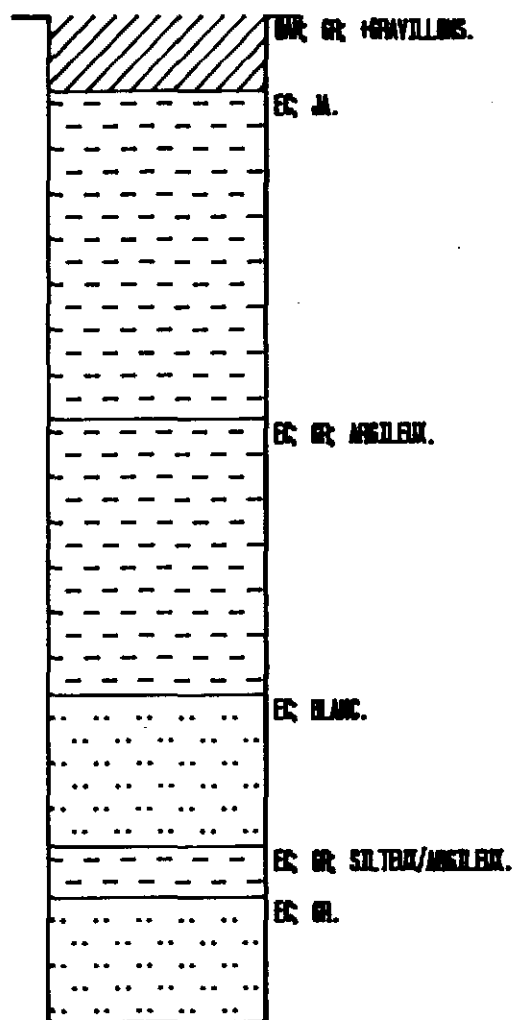


LEGEND

	ARG./PLAST.	0
	ARG./SABLE	3
	SILT	6
	SA. FIN	9
	SA. MOY.	12
	SA. GROS.	15
	GRAV. FIN	18
	GRAV. MOY.	21
	GRAV. GROS.	24
	SA. DUNAIRE	27
	SA. GRAVIL.	30
	GRES/SABLE	33
	GRES/SA/CALC	36
	CALCAIRE	39
	GRES FER.	42
	SA. COQUIL.	45
	MARNE	48
	SOL ORGAN.	51
	LATERITE	
	SCHISTE	

SCALE IN M

DA268



PROJECT: OMYS/USAID
FILE: 625-0958
LOCATION: KAEDI 1B

LITHOLOGY

USAID/DAKAR/SENEGAL

FIGURE DA268

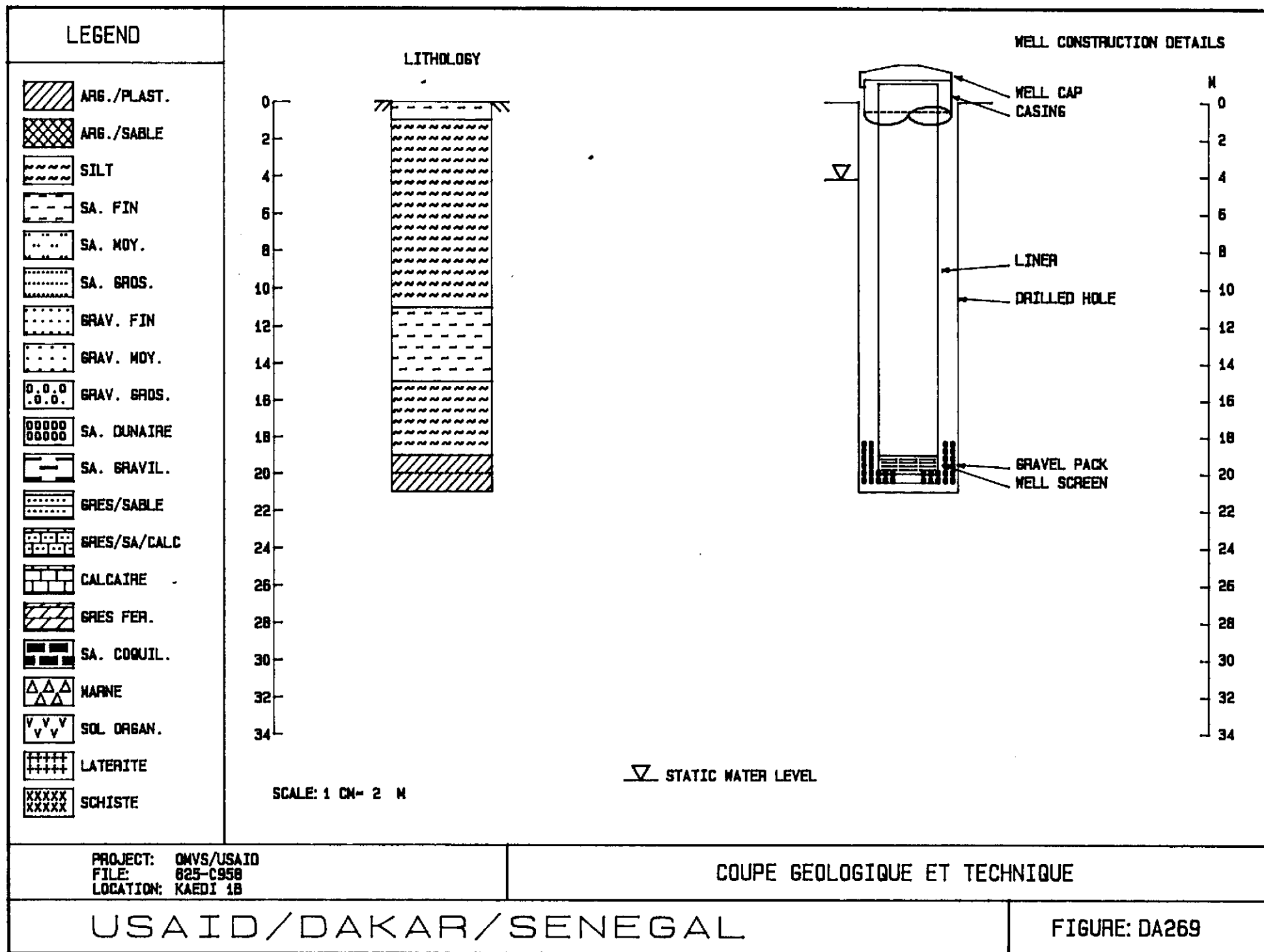
WELL LITHOLOGY

PROJECT: OMVS/USAID
LOCATION: KAEDI 1B
WELL NO.: DA268
DRILLER: SAFOR

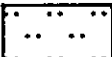
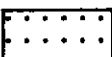
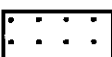
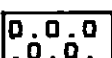
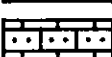
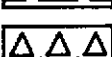
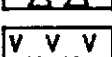
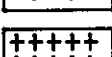
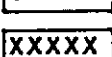
FILE NO.: 625-0958
ELEVATION (M): 11.345
DATE DRILLED: 03/11/87
TYPE OF RIG: ROTARY

DEPTH (M)		ELEVATION (M)		THICKNESS (M)	LITHOLOGY
FROM	TO	FROM	TO		
0.00	3.00	11.35	8.35	3.00	ARG./PLAST., GAN; GR; +G
3.00	16.00	8.35	-4.65	13.00	SA. FIN, EC; JA.
16.00	27.00	-4.65	-15.66	11.00	SA. FIN, EC; GR; ARGILEU
27.00	33.00	-15.66	-21.66	6.00	SA. MOY., EC; BLANC.
33.00	35.00	-21.66	-23.66	2.00	SA. FIN, EC; GR; SILTEUX
35.00	40.00	-23.66	-28.66	5.00	SA. MOY., EC; GR.

USAID/DAKAR/SENEGAL

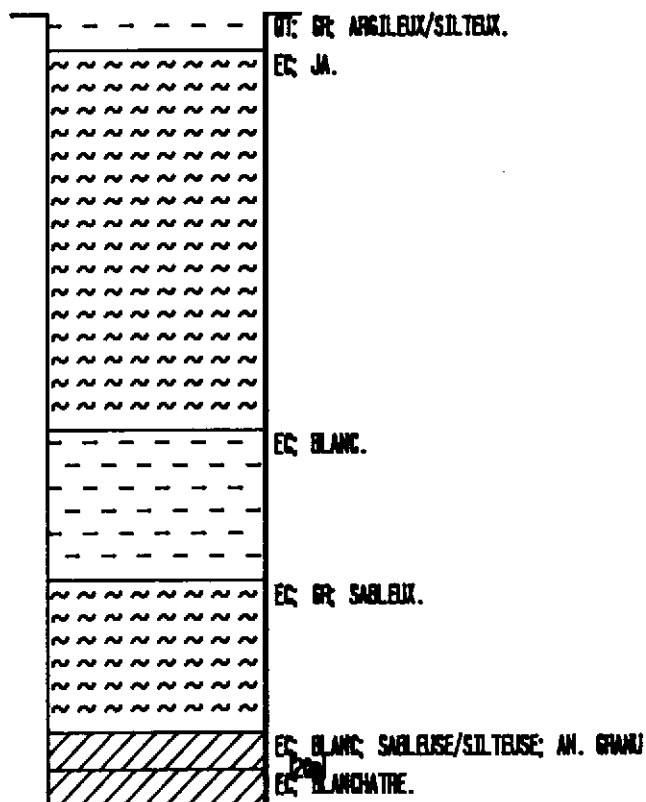


LEGEND

	ARG./PLAST.	0
	ARG./SABLE	2
	SILT	4
	SA. FIN	6
	SA. MOY.	8
	SA. GROS.	10
	GRAV. FIN	12
	GRAV. MOY.	14
	GRAV. GROS.	16
	SA. DUNAIRE	18
	SA. GRAVIL.	20
	GRES/SABLE	22
	GRES/SA/CALC	24
	CALCAIRE	26
	GRES FER.	28
	SA. COQUIL.	30
	MARNE	32
	SOL ORGAN.	34
	LATERITE	
	SCHISTE	

SCALE IN M

DA269



PROJECT: OMVS/USAID
 FILE: 625-0958
 LOCATION: KAEDI 1B

LITHOLOGY

USAID/DAKAR/SENEGAL

FIGURE DA269

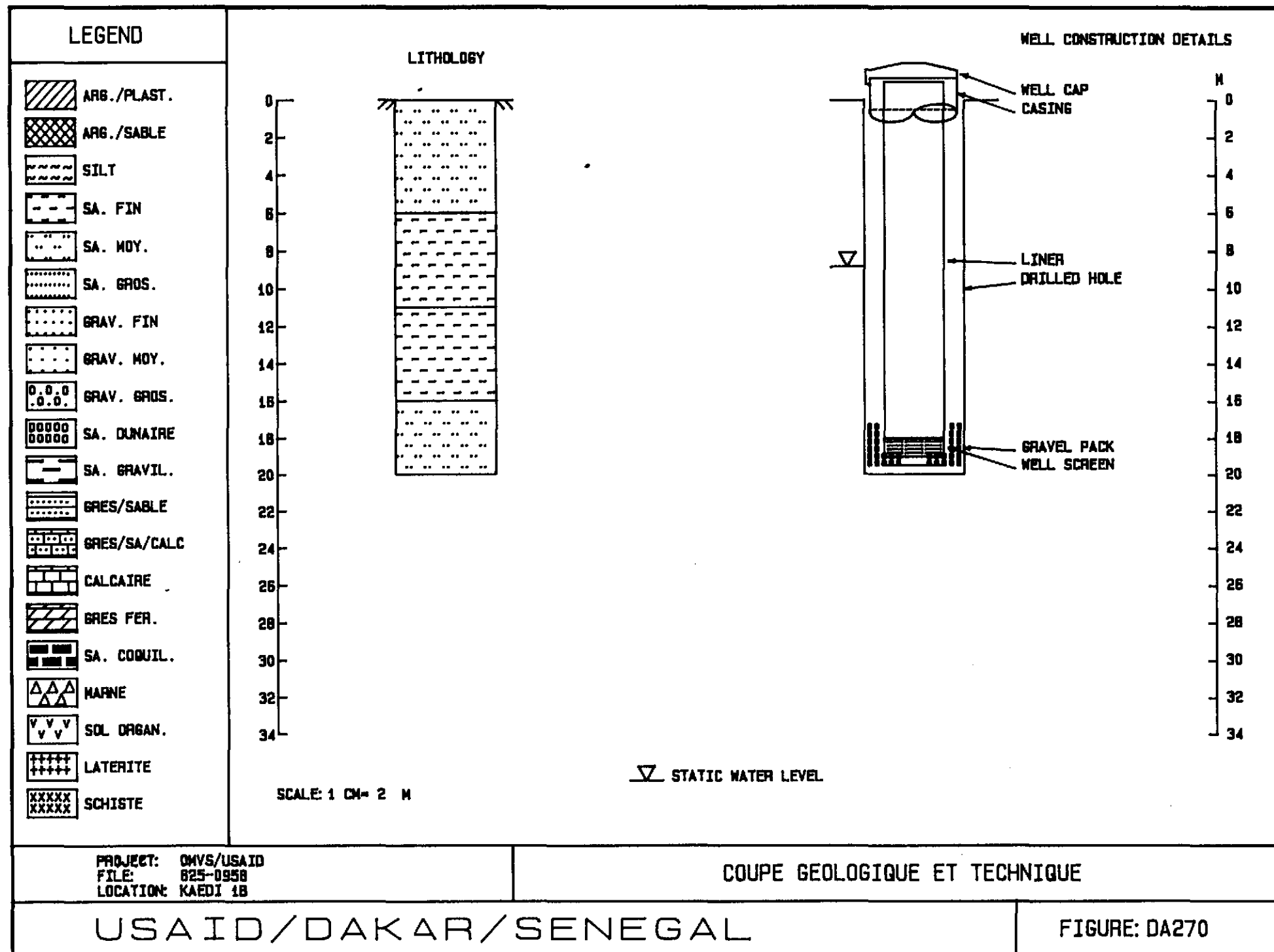
WELL LITHOLOGY

PROJECT: OMVS/USAID
LOCATION: KAEDI 1B
WELL NO.: DA269
DRILLER: SAFOR

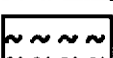
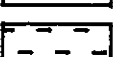
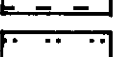
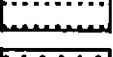
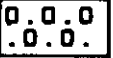
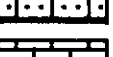
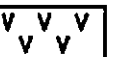
FILE NO.: 625-0958
ELEVATION (M): 11.167
DATE DRILLED: 03/12/87
TYPE OF RIG: ROTARY

DEPTH (M)		ELEVATION (M)		THICKNESS (M)	LITHOLOGY
FROM	TO	FROM	TO		
0.00	1.00	11.17	10.17	1.00	SA. FIN, QT; GR; ARGILEU
1.00	11.00	10.17	0.17	10.00	SILT, EC; JA.
11.00	15.00	0.17	-3.83	4.00	SA. FIN, EC; BLANC.
15.00	19.00	-3.83	-7.83	4.00	SILT, EC; GR; SABLEUX.
19.00	20.00	-7.83	-8.83	1.00	ARG./PLAST., EC; BLANC;
20.00	21.00	-8.83	-9.83	1.00	ARG./PLAST., EC; BLANCHA

USAID/DAKAR/SENEGAL

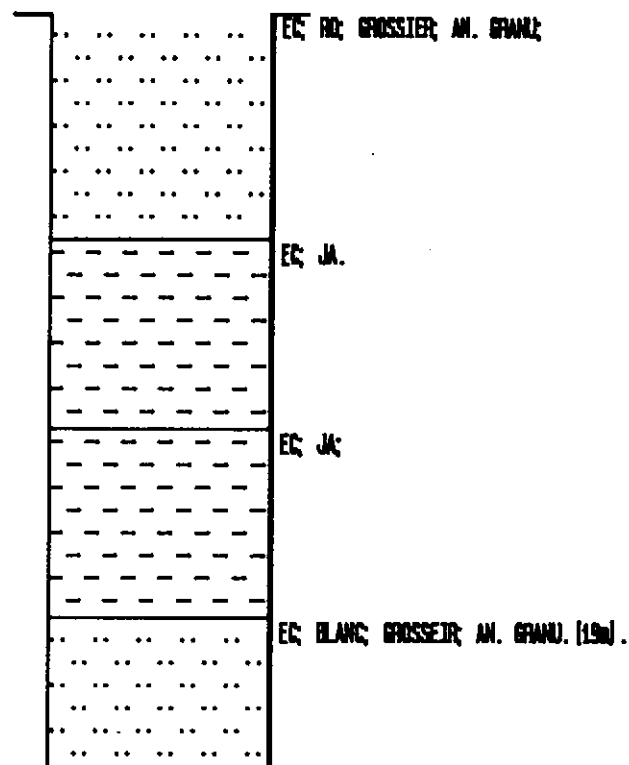


LEGEND

	ARG./PLAST.	0
	ARG./SABLE	2
	SILT	4
	SA. FIN	6
	SA. MOY.	8
	SA. GROS.	10
	GRAV. FIN	12
	GRAV. MOY.	14
	GRAV. GROS.	16
	SA. DUNAIRE	18
	SA. GRAVIL.	20
	GRES/SABLE	22
	GRES/SA/CALC	24
	CALCAIRE	26
	GRES FER.	28
	SA. COQUIL.	30
	MARNE	32
	SOL ORGAN.	34
	LATERITE	
	SCHISTE	

SCALE IN M

DA270



PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: KAEDI 1B

LITHOLOGY

USAID/DAKAR/SENEGAL

FIGURE DA270

WELL LITHOLOGY

PROJECT:OMVS/USAID
LOCATION:KAEDI 1B
WELL NO.:DA270
DRILLER:SAFOR

FILE NO.:625-0958
ELEVATION (M): 11.856
DATE DRILLED:02/11/87
TYPE OF RIG:ROTARY

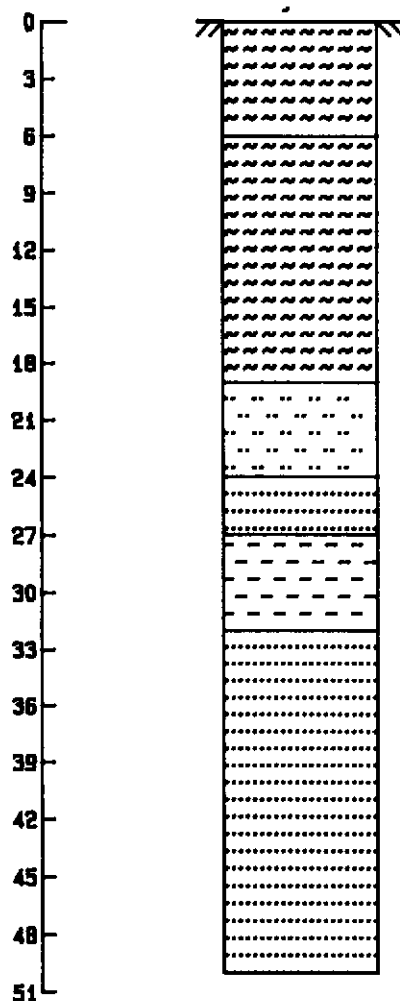
DEPTH (M)		ELEVATION (M)		THICKNESS (M)	LITHOLOGY
FROM	TO	FROM	TO		
0.00	6.00	11.86	5.86	6.00	SA. MOY.,EC; RO; GROSSI
6.00	11.00	5.86	0.86	5.00	SA. FIN,EC; JA.
11.00	16.00	0.86	-4.14	5.00	SA. FIN,EC; JA;
16.00	20.00	-4.14	-8.14	4.00	SA. MOY.,EC; BLANC; GRO

USAID/DAKAR/SENEGAL

LEGEND

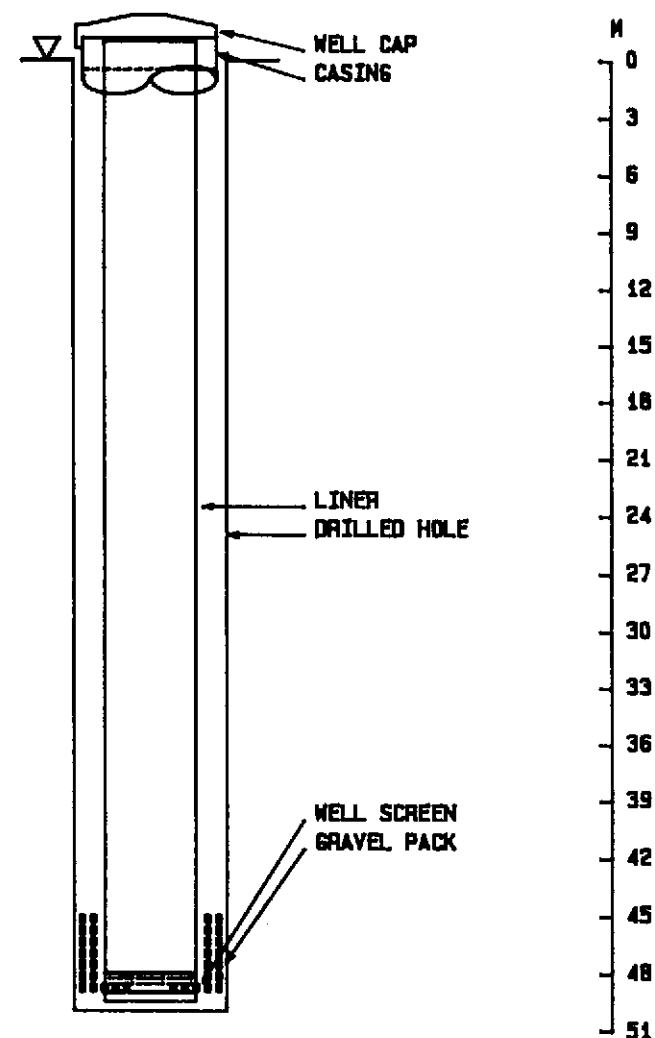
	ARG./PLAST.
	ARG./SABLE
	SILT
	SA. FIN
	SA. MOY.
	SA. GROS.
	GRAY. FIN
	GRAY. MOY.
	GRAY. GROS.
	SA. DUNAIRE
	SA. GRAVIL.
	GRES/SABLE
	GRES/SA/CALC
	CALCAIRE
	GRES FER.
	SA. COQUIL.
	MARNE
	SOL. ORGAN.
	LATERITE
	SCHISTE

LITHOLOGY



SCALE: 1 CM = 3 M

WELL CONSTRUCTION DETAILS



△ STATIC WATER LEVEL

PROJECT: OMVS/USAID
FILE: 825-0958
LOCATION: KAEDI 1B

COUPE GEOLOGIQUE ET TECHNIQUE

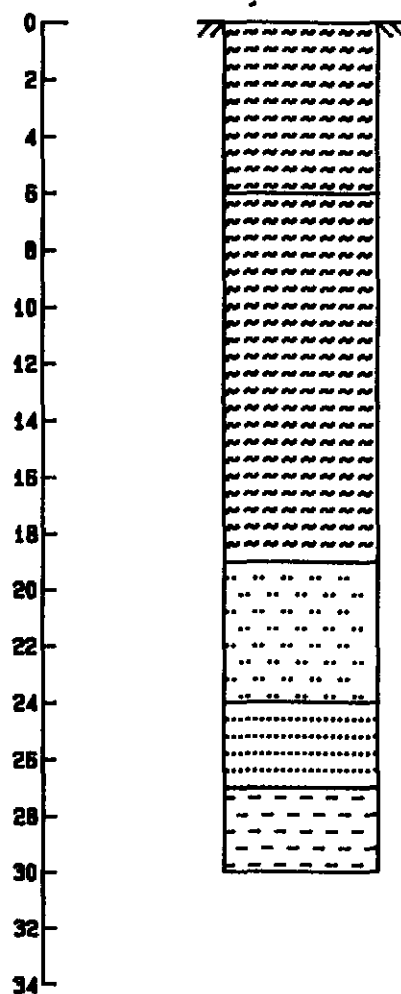
USAID/DAKAR/SENEGAL

FIGURE: GA0313

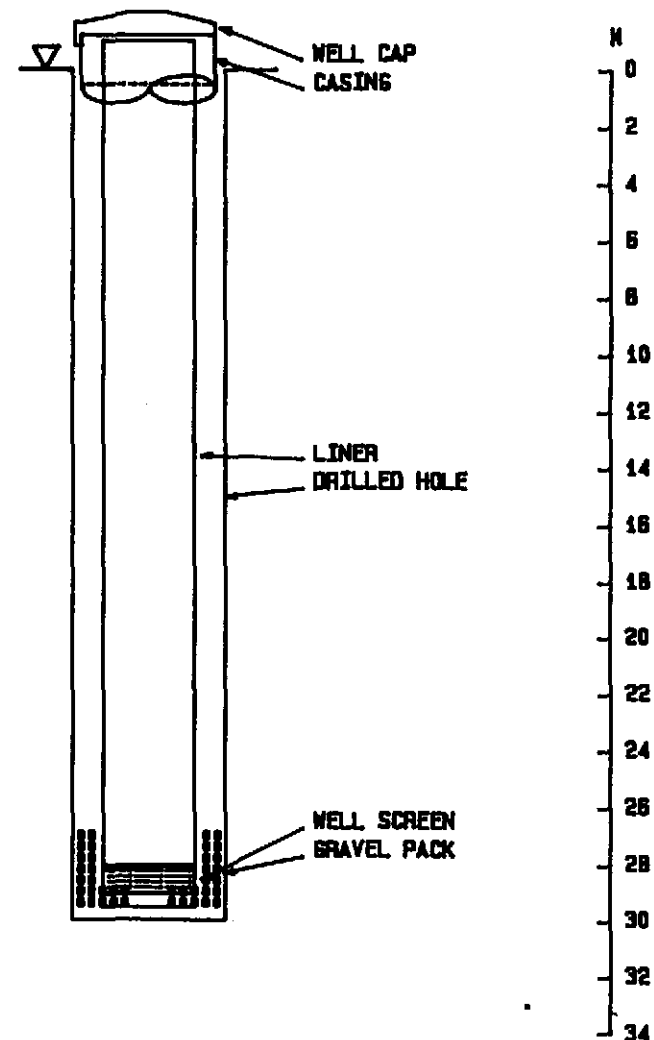
LEGEND

	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 ORBAN.
	LATERITE
	SCHISTE

LITHOLOGY



WELL CONSTRUCTION DETAILS



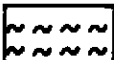
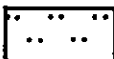
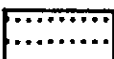
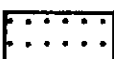
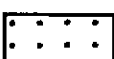
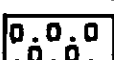
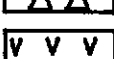
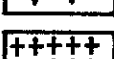
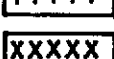
PROJECT: DMVS/USAID
FILE: 825-0958
LOCATION: KAEDI 1B

COUPE GEOLOGIQUE ET TECHNIQUE

USAID/DAKAR/SENEGAL

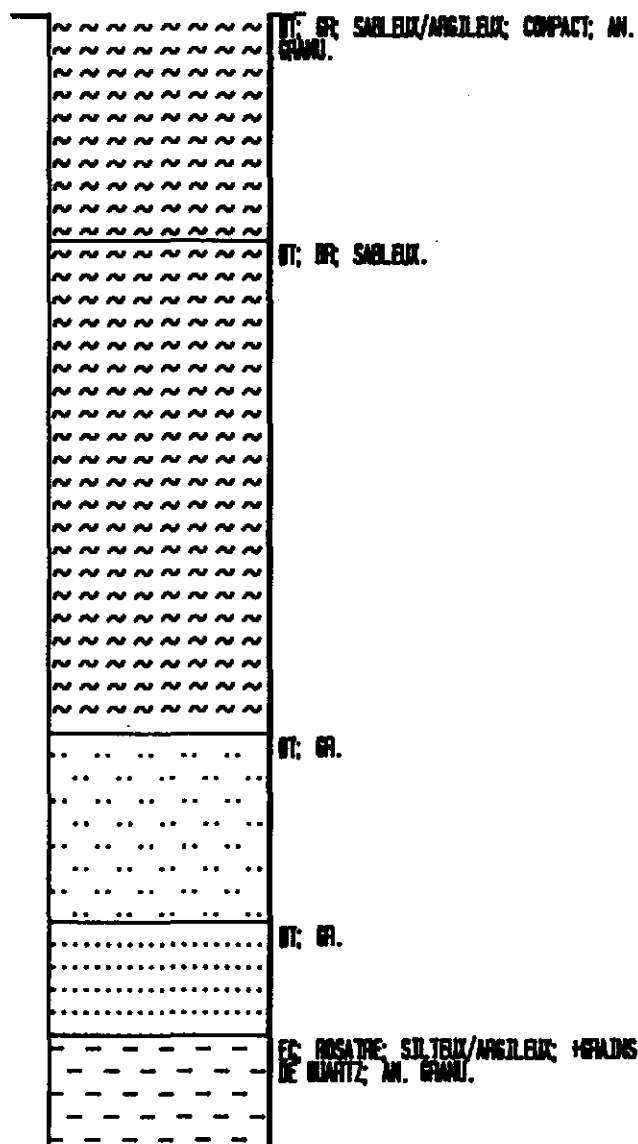
FIGURE: GA0314

LEGEND

	ARG./PLAST.	0
	ARG./SABLE	2
	SILT	4
	SA. FIN	6
	SA. MOY.	8
	SA. GROS.	10
	GRAV. FIN	12
	GRAV. MOY.	14
	GRAV. GROS.	16
	SA. DUNAIRE	18
	SA. GRAVIL.	20
	GRES/SABLE	22
	GRES/SA/CALC	24
	CALCAIRE	26
	GRES FER.	28
	SA. COQUIL.	30
	MARNE	32
	SOL ORGAN.	34
	LATERITE	
	SCHISTE	

SCALE IN M

GA0314



PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: KAEDI 1B

LITHOLOGY

USAID/DAKAR/SENEGAL

FIGURE GA0314

WELL LITHOLOGY

PROJECT: OMVS/USAID
LOCATION: KAEDI 1B
WELL NO.: GA0314
DRILLER: SAFOR

FILE NO.: 625-0958
ELEVATION (M): 11.873
DATE DRILLED: 07/12/87
TYPE OF RIG: ROTARY

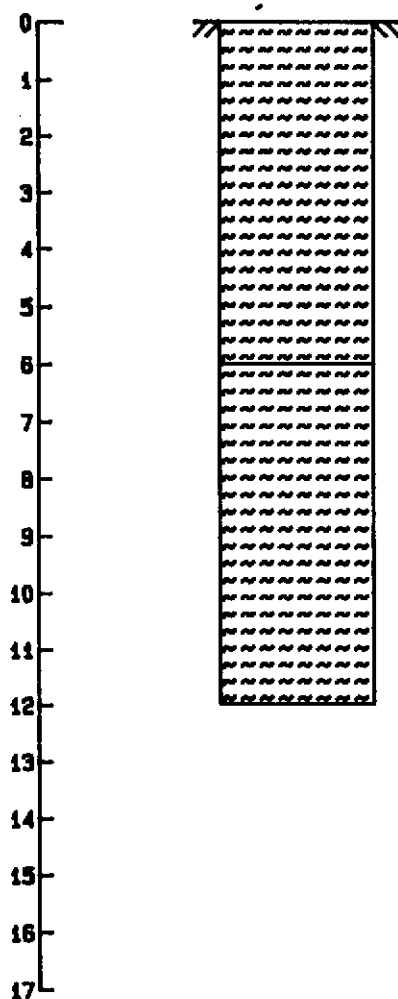
DEPTH (M)		ELEVATION (M)		THICKNESS (M)	LITHOLOGY
FROM	TO	FROM	TO		
0.00	6.00	11.87	5.87	6.00	SILT, QT; GR; SABLEUX/AR
6.00	19.00	5.87	-7.13	13.00	SILT, QT; BR; SABLEUX.
19.00	24.00	-7.13	-12.13	5.00	SA. MOY., QT; GR.
24.00	27.00	-12.13	-15.13	3.00	SA. GROS., QT; GR.
27.00	30.00	-15.13	-18.13	3.00	SA. FIN, EC; ROSATRE; SI

USAID/DAKAR/SENEGAL

LEGEND

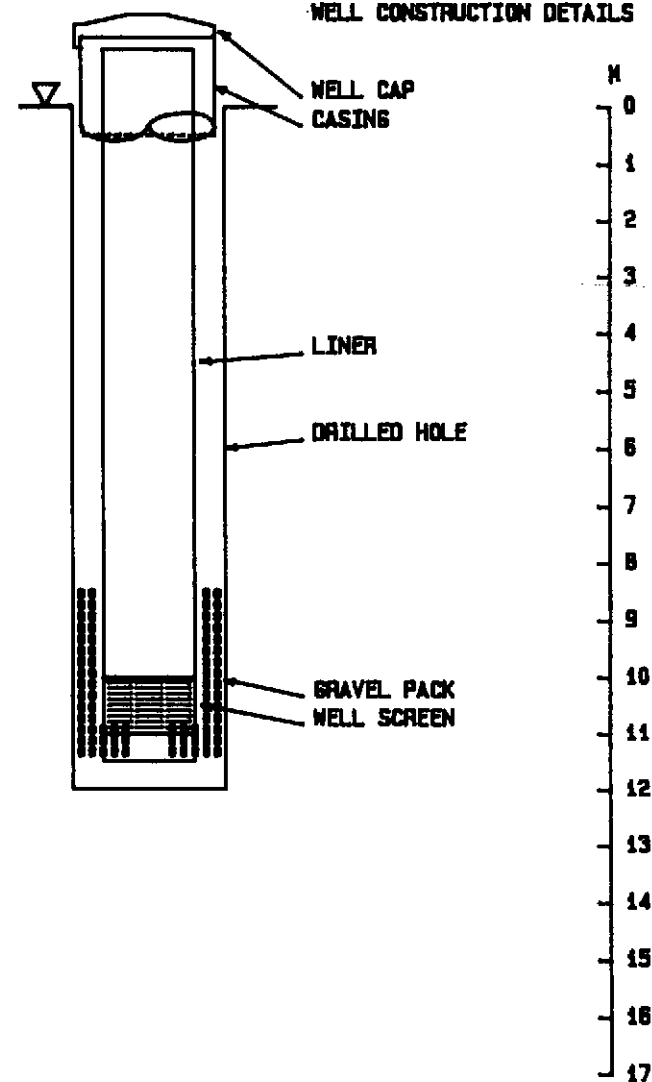
	ARG./PLAST.
	ARG./SABLE
	SILT
	SA. FIN
	SA. MOY.
	SA. GROS.
	GRAV. FIN
	GRAV. MOY.
	GRAV. GROS.
	SA. DUNAIRE
	SA. GRAVIL.
	GRES/SABLE
	GRES/SA/CALC
	CALCAIRE
	GRES FER.
	SA. COQUIL.
	MARNE
	SOL ORGAN.
	LATERITE
	SCHISTE

LITHOLOGY



SCALE: 1 CM= 1 M

WELL CONSTRUCTION DETAILS



▽ STATIC WATER LEVEL

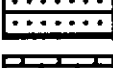
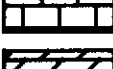
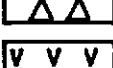
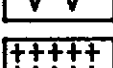
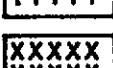
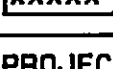
PROJECT: OMYS/USAID
FILE: 625-0958
LOCATION: KAEDI 1B

COUPE GEOLOGIQUE ET TECHNIQUE

USAID/DAKAR/SENEGAL

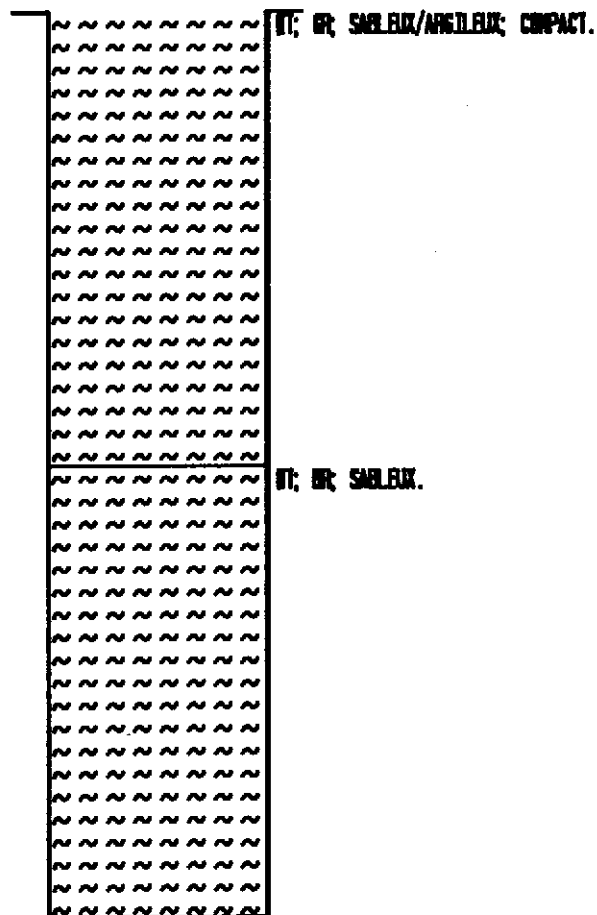
FIGURE: GA0315

LEGEND

	ARG./PLAST.	0
	ARG./SABLE	1
	SILT	2
	SA. FIN	3
	SA. MOY.	4
	SA. GROS.	5
	GRAV. FIN	6
	GRAV. MOY.	7
	GRAV. GROS.	8
	SA. DUNAIRE	9
	SA. GRAVIL.	10
	GRES/SABLE	11
	GRES/SA/CALC	12
	CALCAIRE	13
	GRES FER.	14
	SA. COQUIL.	15
	MARNE	16
	SOL ORGAN.	17
	LATERITE	
	SCHISTE	

SCALE IN M

GA0315



PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: KAEDI 1B

LITHOLOGY

USAID/DAKAR/SENEGAL

FIGURE GA0315

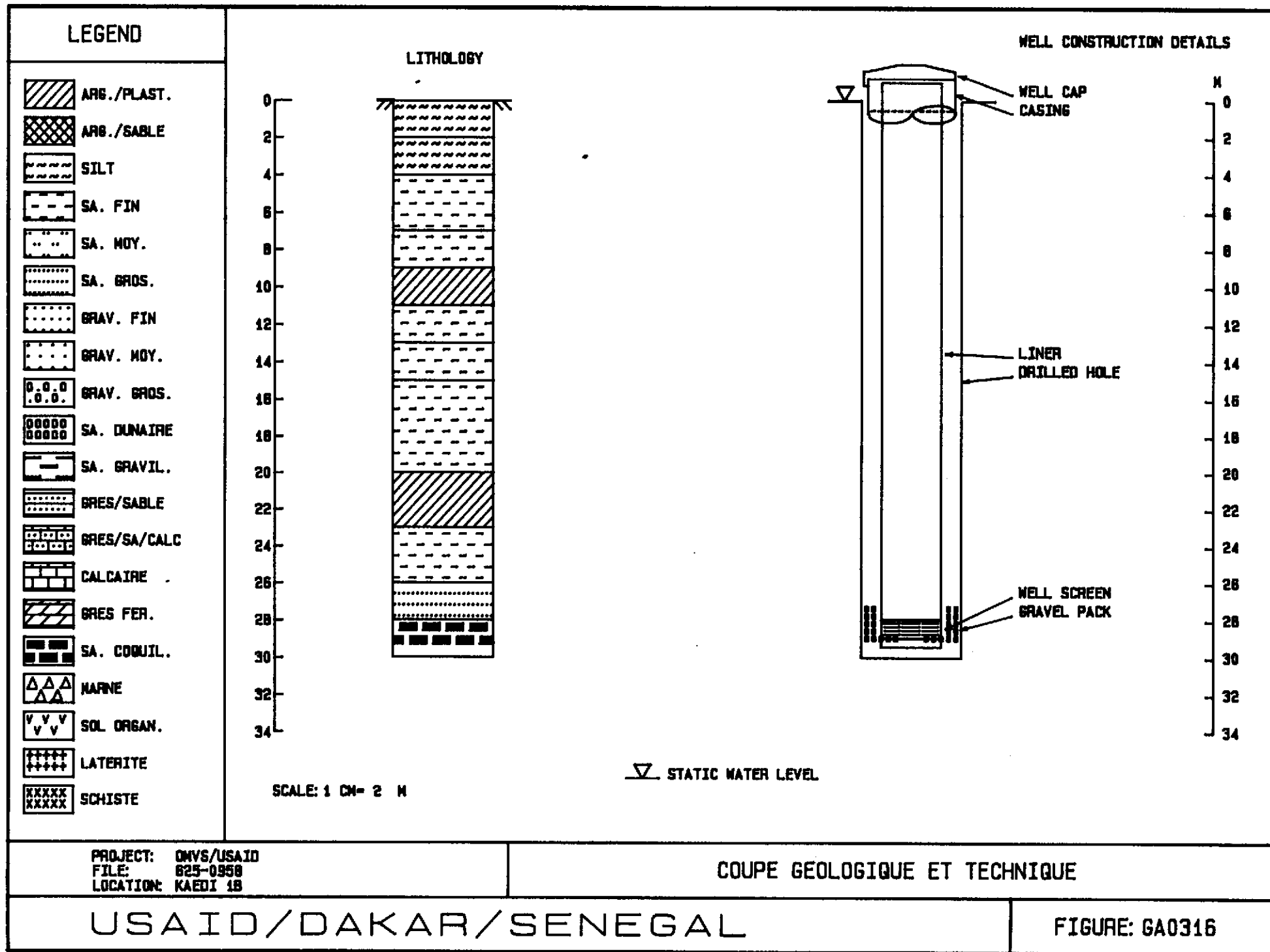
WELL LITHOLOGY

PROJECT:OMVS/USAID
LOCATION:KAEDI 1B
WELL NO.:GA0315
DRILLER:SAFOR

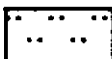
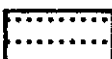
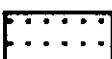
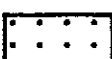
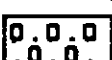
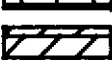
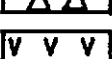
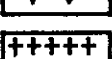
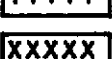
FILE NO.:625-0958
ELEVATION (M): 11.904
DATE DRILLED:07/12/87
TYPE OF RIG:ROTARY

DEPTH (M)		ELEVATION (M)		THICKNESS (M)	LITHOLOGY
FROM	TO	FROM	TO		
0.00	6.00	11.90	5.90	6.00	SILT,QT; GR; SABLEUX/AR
6.00	12.00	5.90	-0.10	6.00	SILT,QT; BR; SABLEUX.

USAID/DAKAR/SENEGAL

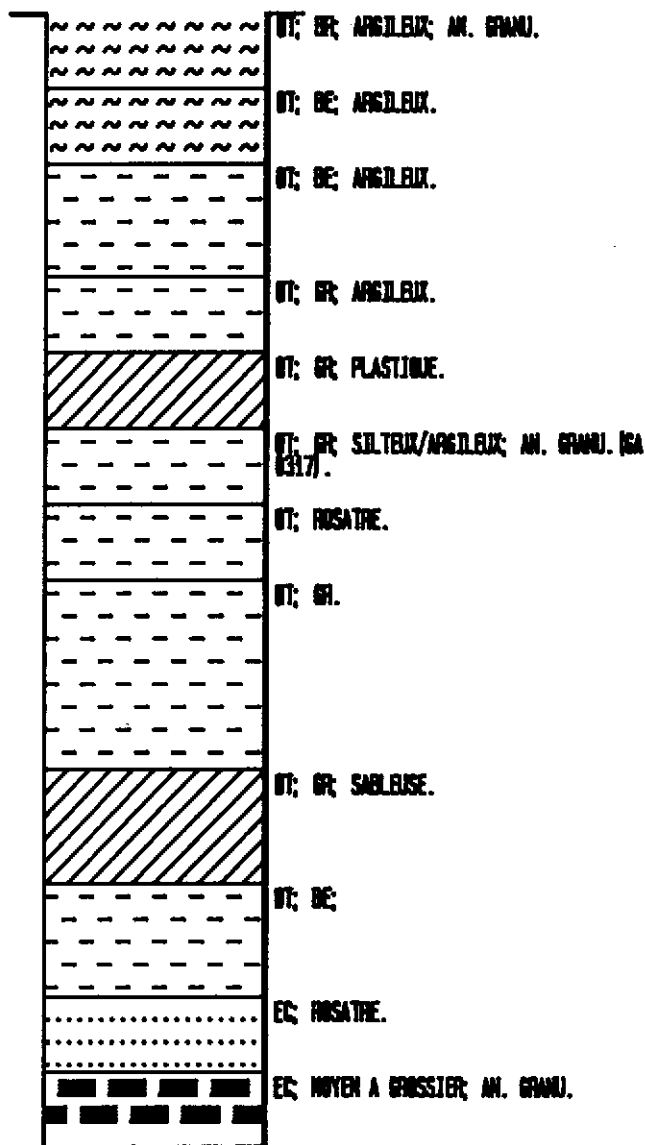


LEGEND

	ARG./PLAST.	0
	ARG./SABLE	2
	SILT	4
	SA. FIN	6
	SA. MOY.	8
	SA. GROS.	10
	GRAV. FIN	12
	GRAV. MOY.	14
	GRAV. GROS.	16
	SA. DUNAIRE	18
	SA. GRAVIL.	20
	GRES/SABLE	22
	GRES/SA/CALC	24
	CALCAIRE	26
	GRES FER.	28
	SA. COQUIL.	30
	MARNE	32
	SOL ORGAN.	34
	LATERITE	
	SCHISTE	

SCALE IN M

GA0316



PROJECT:
FILE: 625-0958
LOCATION: KAEDI 1B

LITHOLOGY

USAID/DAKAR/SENEGAL

FIGURE GA0316

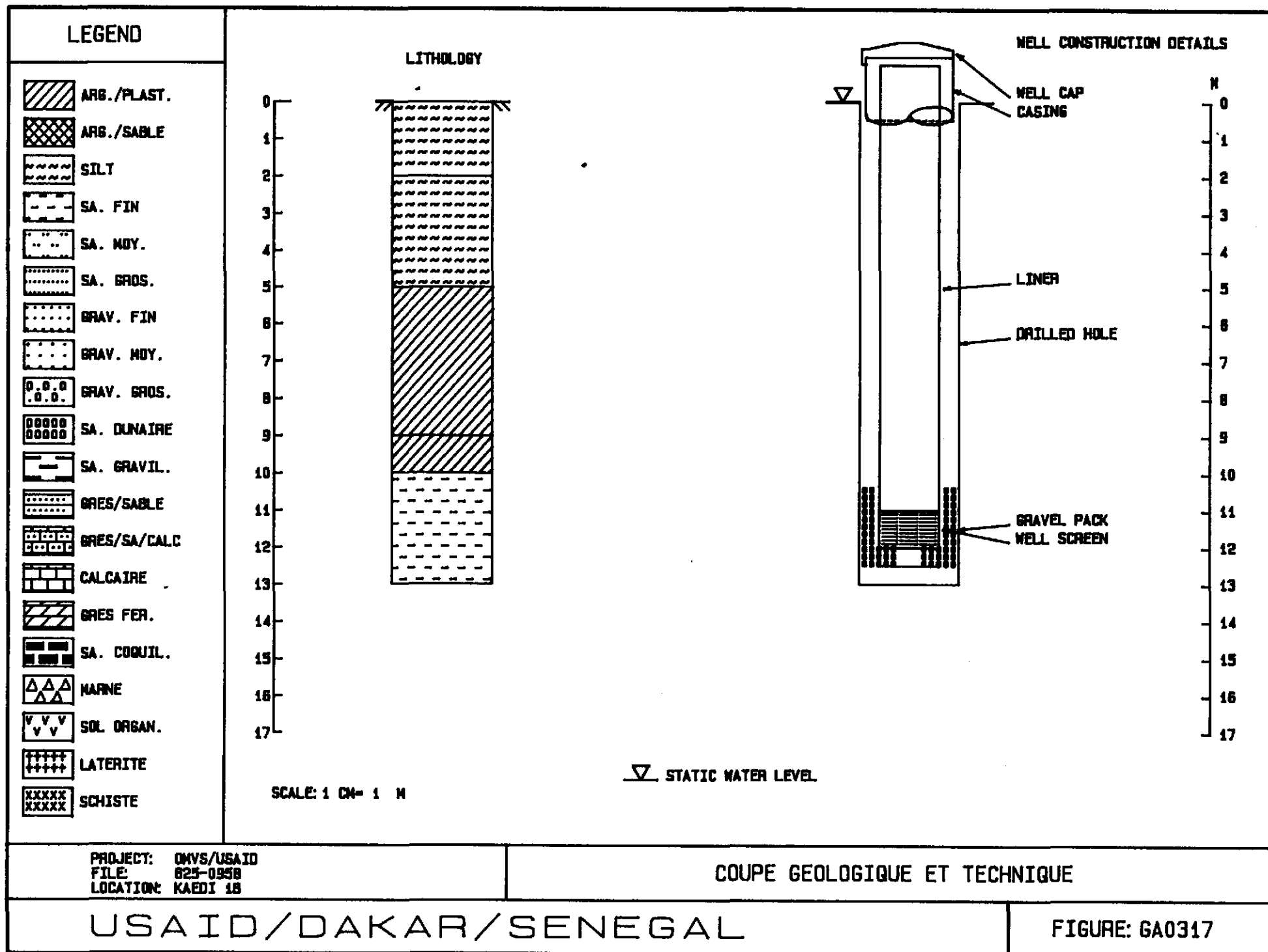
WELL LITHOLOGY

PROJECT:OMVS/USAID
LOCATION:KAEDI 1B
WELL NO.:GA0316
DRILLER:SAFOR

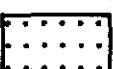
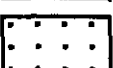
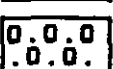
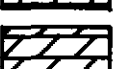
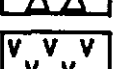
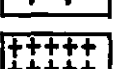
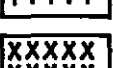
FILE NO.:625-0958
ELEVATION (M): 10.863
DATE DRILLED:05/12/87
TYPE OF RIG:ROTARY

DEPTH (M)		ELEVATION (M)		THICKNESS (M)	LITHOLOGY
FROM	TO	FROM	TO		
0.00	2.00	10.86	8.86	2.00	SILT,QT; BR; ARGILEUX;
2.00	4.00	8.86	6.86	2.00	SILT,QT; BE; ARGILEUX.
4.00	7.00	6.86	3.86	3.00	SA. FIN,QT; BE; ARGILEU
7.00	9.00	3.86	1.86	2.00	SA. FIN,QT; GR; ARGILEU
9.00	11.00	1.86	-0.14	2.00	ARG./PLAST.,QT; GR; PLA
11.00	13.00	-0.14	-2.14	2.00	SA. FIN,QT; GR; SILTEUX
13.00	15.00	-2.14	-4.14	2.00	SA. FIN,QT; ROSATRE.
15.00	20.00	-4.14	-9.14	5.00	SA. FIN,QT; GR.
20.00	23.00	-9.14	-12.14	3.00	ARG./PLAST.,QT; GR; SAB
23.00	26.00	-12.14	-15.14	3.00	SA. FIN,QT; BE;
26.00	28.00	-15.14	-17.14	2.00	SA. GROS.,EC; ROSATRE.
28.00	30.00	-17.14	-19.14	2.00	SA. COQUIL.,EC; MOYEN A

USAID/DAKAR/SENEGAL

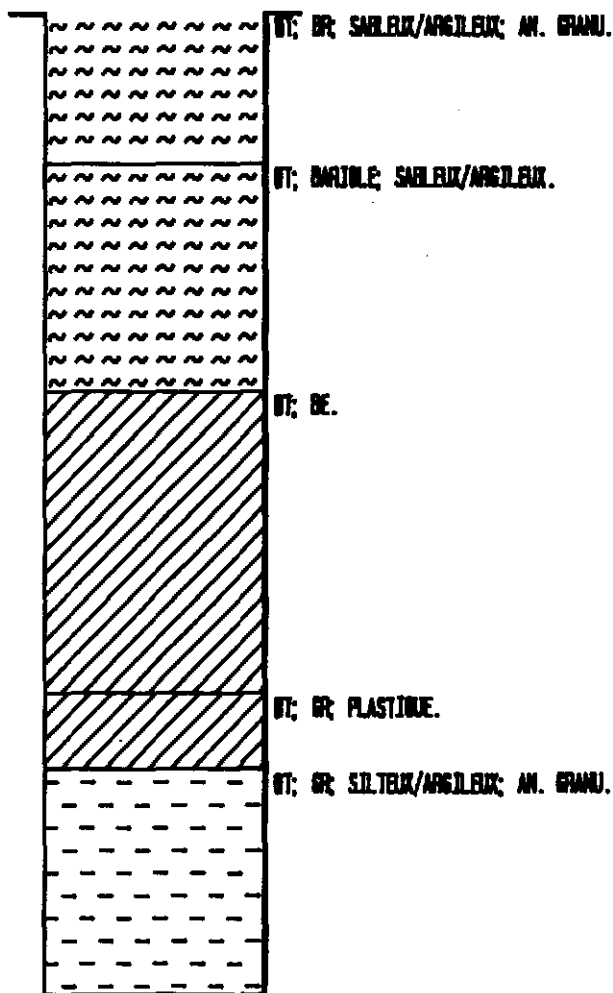


LEGEND

	ARG./PLAST.	0
	ARG./SABLE	1
	SILT	2
	SA. FIN	3
	SA. MOY.	4
	SA. GROS.	5
	GRAV. FIN	6
	GRAV. MOY.	7
	GRAV. GROS.	8
	SA. DUNAIRE	9
	SA. GRAVIL.	10
	GRES/SABLE	11
	GRES/SA/CALC	12
	CALCAIRE	13
	GRES FER.	14
	SA. COQUIL.	15
	MARNE	16
	SOL ORGAN.	17
	LATERITE	
	SCHISTE	

SCALE IN M

GA0317



PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: KAEDI 18

LITHOLOGY

USAID/DAKAR/SENEGAL

FIGURE GA0317

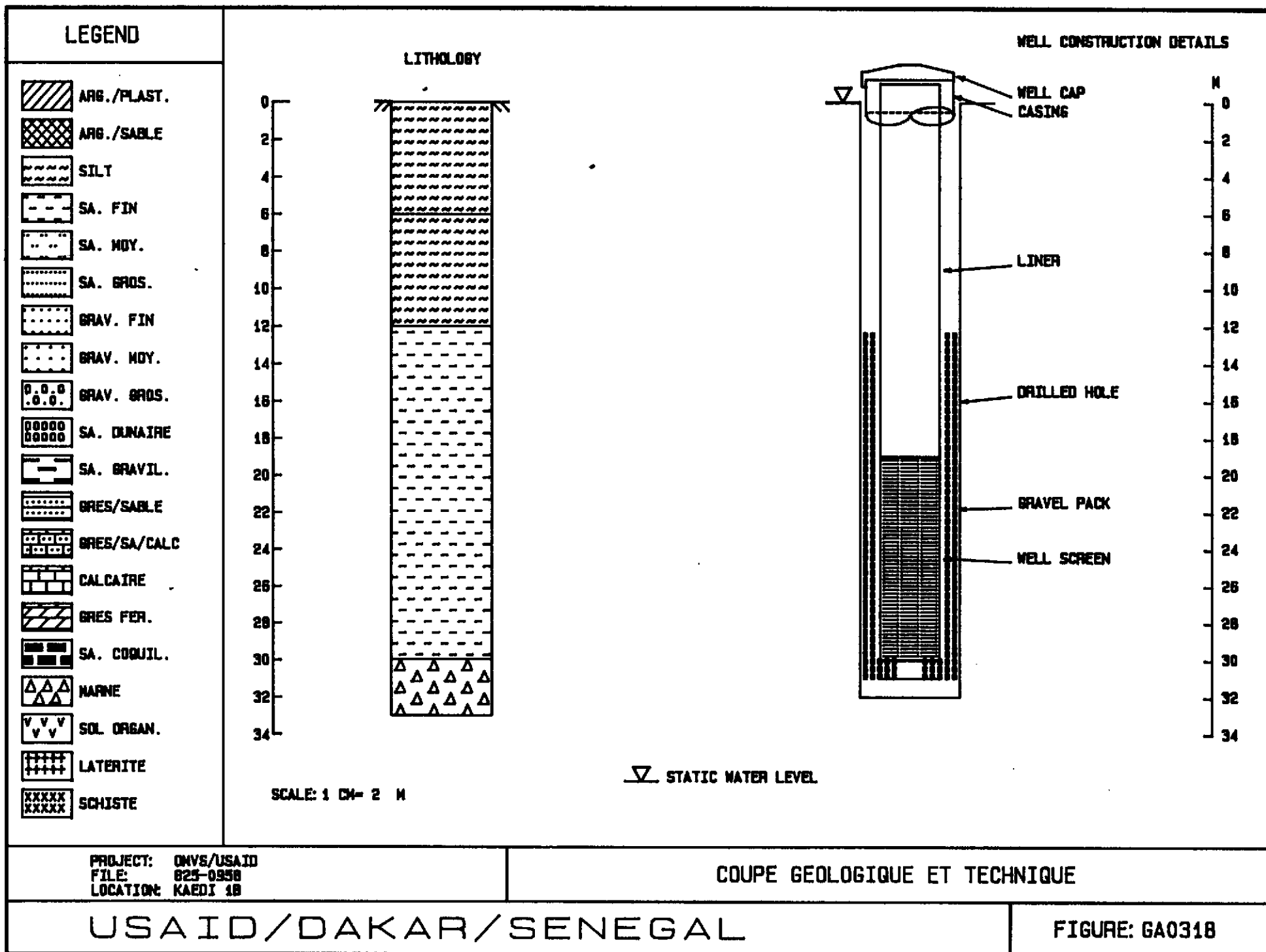
WELL LITHOLOGY

PROJECT:OMVS/USAID
LOCATION:KAEDI 1B
WELL NO.:GA0317
DRILLER:SAFOR

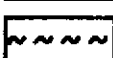
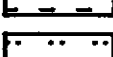
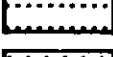
FILE NO.:625-0958
ELEVATION (M): 10.825
DATE DRILLED:05/12/87
TYPE OF RIG:ROTARY

DEPTH (M)		ELEVATION (M)		THICKNESS (M)	LITHOLOGY
FROM	TO	FROM	TO		
0.00	2.00	10.83	8.83	2.00	SILT,GT; BR; SABLEUX/AI
2.00	5.00	8.83	5.83	3.00	SILT,GT; BARIOLE; SABL
5.00	9.00	5.83	1.82	4.00	ARG./PLAST.,GT; BE.
9.00	10.00	1.82	0.82	1.00	ARG./PLAST.,GT; GR; PL
10.00	13.00	0.82	-2.18	3.00	SA. FIN,GT; GR; SILTEU

USAID/DAKAR/SENEGAL

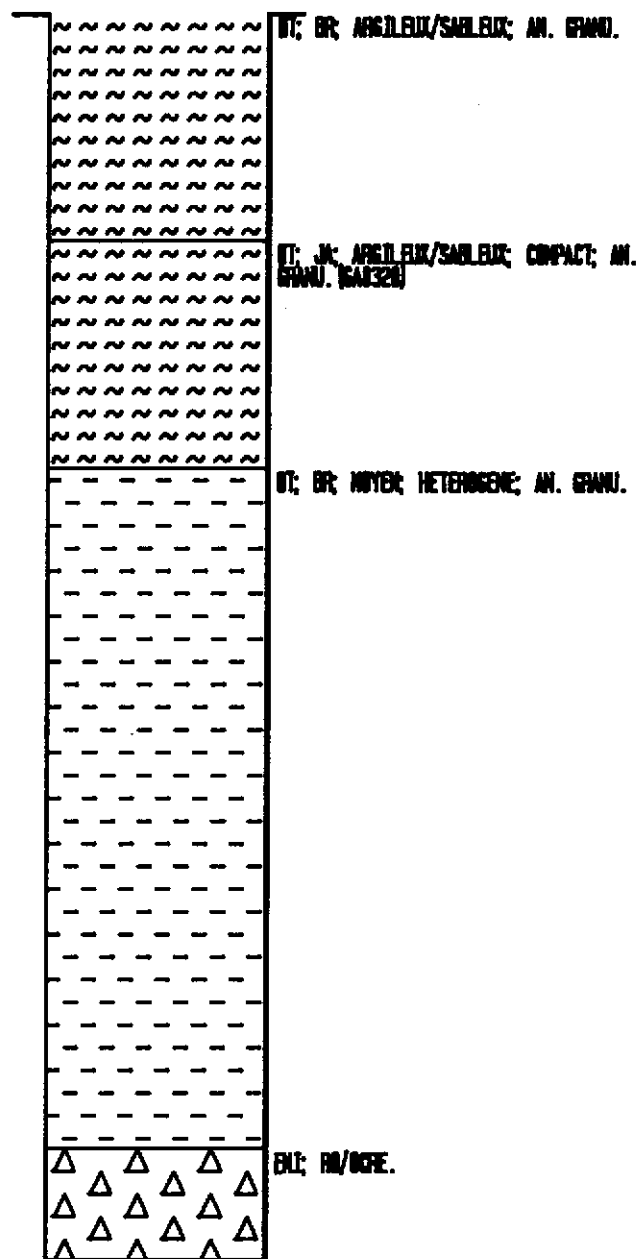


LEGEND

	ARG./PLAST.	0
	ARG./SABLE	2
	SILT	4
	SA. FIN	6
	SA. MOY.	8
	SA. GROS.	10
	GRAV. FIN	12
	GRAV. MOY.	14
	GRAV. GROS.	16
	SA. DUNAIRE	18
	SA. GRAVIL.	20
	GRES/SABLE	22
	GRES/SA/CALC	24
	CALCAIRE	26
	GRES FER.	28
	SA. COQUIL.	30
	MARNE	32
	SOL ORGAN.	34
	LATERITE	
	SCHISTE	

SCALE IN M

GA0318



PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: KAEDI 1B

LITHOLOGY

USAID/DAKAR/SENEGAL

FIGURE GA0318

WELL LITHOLOGY

PROJECT:OMVS/USAID
LOCATION:KAEDI 1B
WELL NO.:GA0318
DRILLER:SAFOR

FILE NO.:625-0958
ELEVATION (M): 10.928
DATE DRILLED:05/12/87
TYPE OF RIG:ROTARY

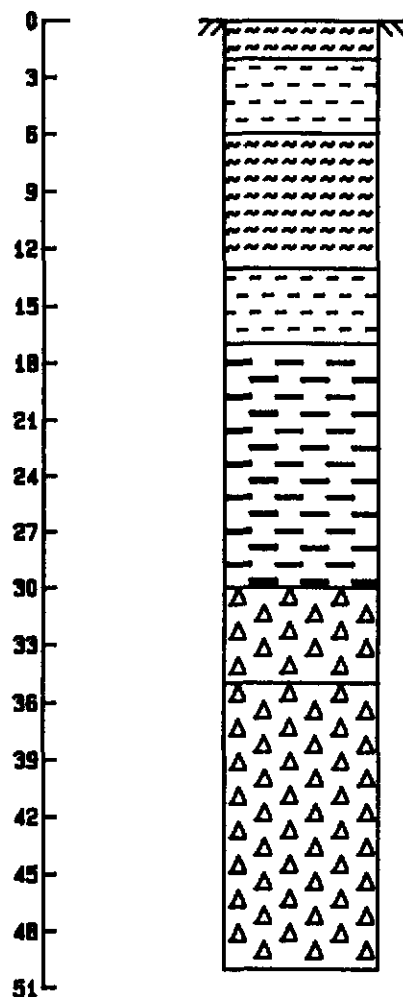
DEPTH (M)		ELEVATION (M)		THICKNESS (M)	LITHOLOGY
FROM	TO	FROM	TO		
0.00	6.00	10.93	4.93	6.00	SILT,QT; BR; ARGILEUX/S
6.00	12.00	4.93	-1.07	6.00	SILT,QT; JA; ARGILEUX/S
12.00	30.00	-1.07	-19.07	18.00	SA. FIN,QT; BR; MOYEN;
30.00	33.00	-19.07	-22.07	3.00	MARNE,EMI; RO/OCRE.

USAID/DAKAR/SENEGAL

LEGEND

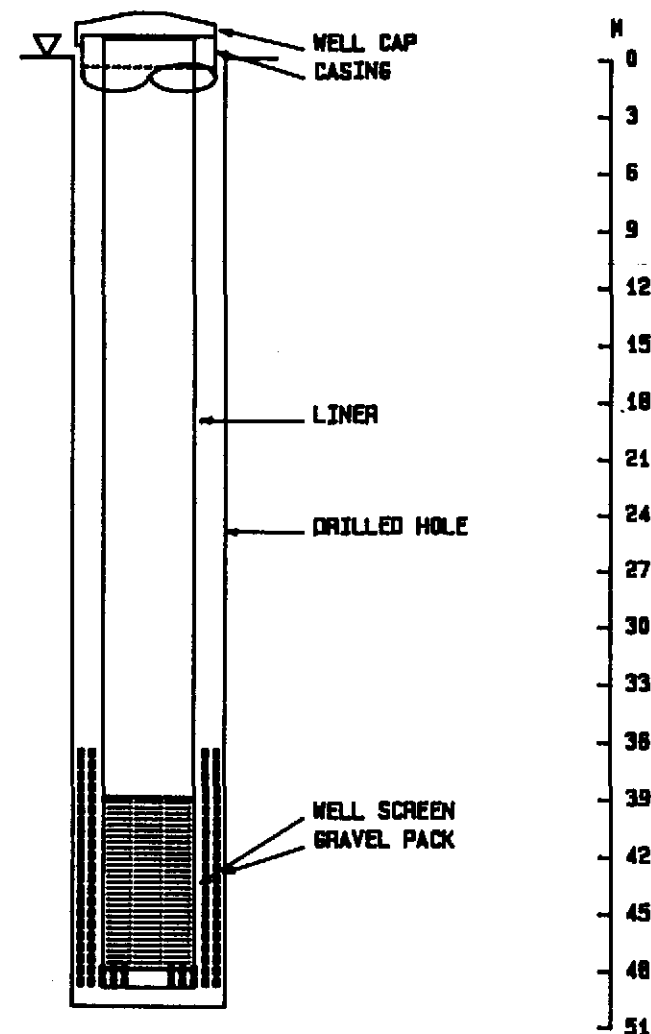
	ARG./PLAST.
	ARG./SABLE
	SILT
	SA. FIN
	SA. MOY.
	SA. GROS.
	GRAV. FIN
	GRAV. MOY.
	GRAV. GROS.
	SA. DUNAIRE
	SA. GRAVIL.
	GRES/SABLE
	GRES/SA/CALC
	CALCAIRE
	GRES FER.
	SA. COQUIL.
	MARNE
	SOL ORGAN.
	LATERITE
	SCHISTE

LITHOLOGY



SCALE: 1 CM = 3 M

WELL CONSTRUCTION DETAILS



△ STATIC WATER LEVEL

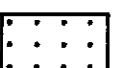
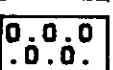
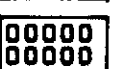
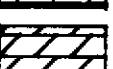
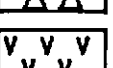
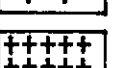
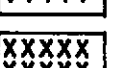
PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: KAEHI 18

COUPE GEOLOGIQUE ET TECHNIQUE

USAID/DAKAR/SENEGAL

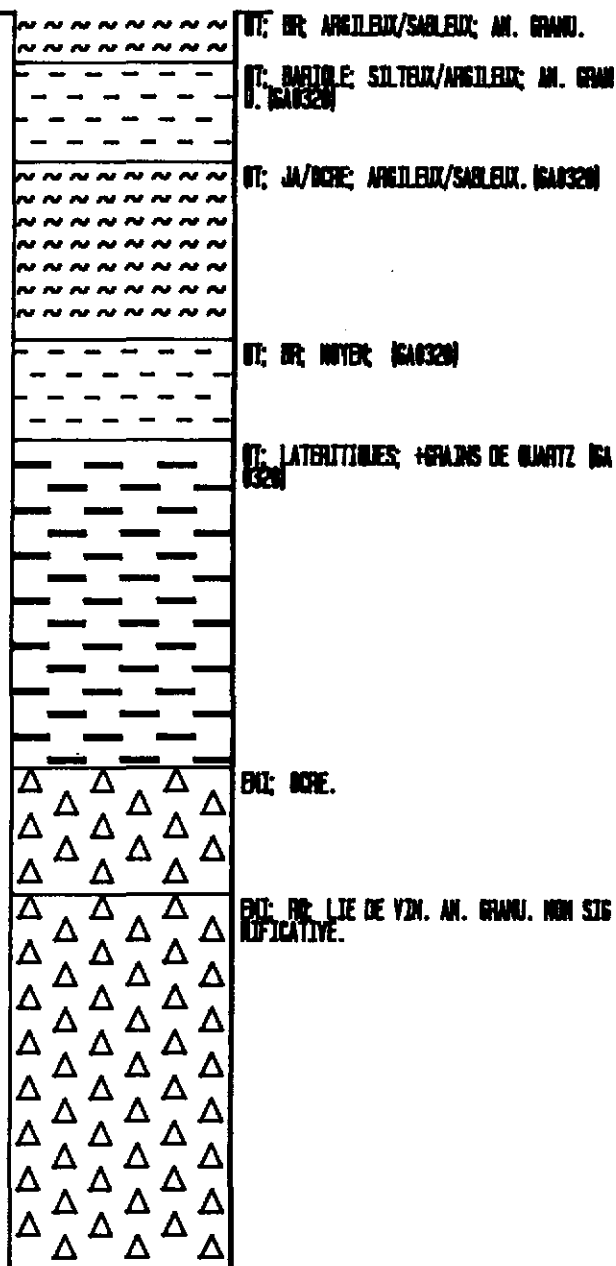
FIGURE: GA0319

LEGEND

	ARG./PLAST.	0
	ARG./SABLE	3
	SILT	6
	SA. FIN	9
	SA. MOY.	12
	SA. GROS.	15
	GRAV. FIN	18
	GRAV. MOY.	21
	GRAV. GROS.	24
	SA. DUNAIRE	27
	SA. GRAVIL.	30
	GRES/SABLE	33
	GRES/SA/CALC	36
	CALCAIRE	39
	GRES FER.	42
	SA. COQUIL.	45
	MARNE	48
	SOL ORGAN.	51
	LATERITE	
	SCHISTE	

SCALE IN M

GA0319



PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: KAEDI 1B

LITHOLOGY

USAID/DAKAR/SENEGAL

FIGURE GA0319

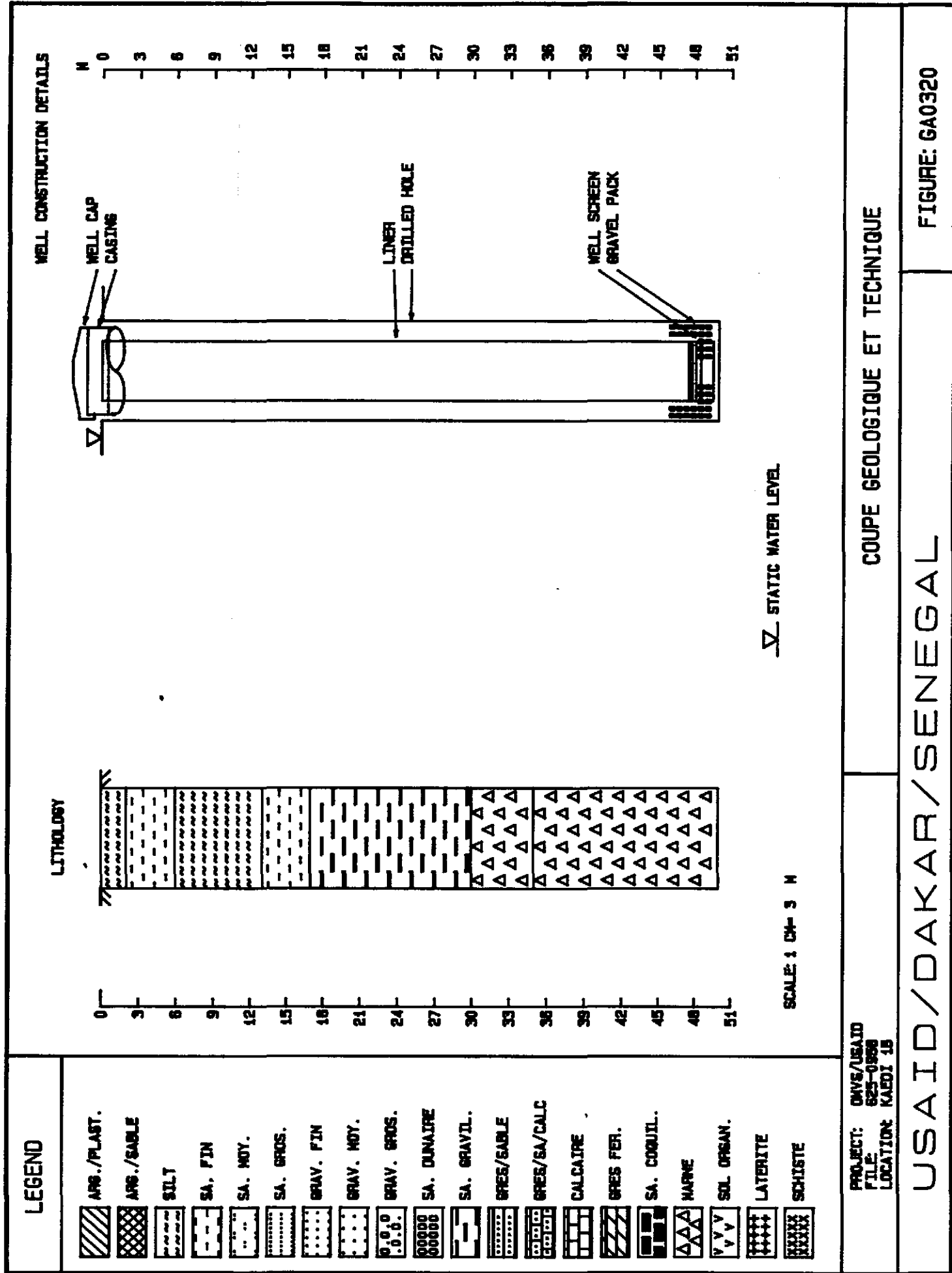
WELL LITHOLOGY

PROJECT: OMVS/USAID
LOCATION: KAEDI 1B
WELL NO.: GA0319
DRILLER: SAFOR

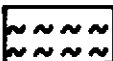
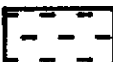
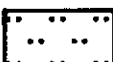
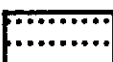
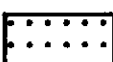
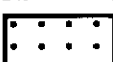
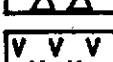
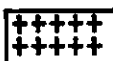
FILE NO.: 625-0958
ELEVATION (M): 10.784
DATE DRILLED: 05/12/87
TYPE OF RIG: ROTARY

DEPTH (M)		ELEVATION (M)		THICKNESS (M)	LITHOLOGY
FROM	TO	FROM	TO		
0.00	2.00	10.78	8.78	2.00	SILT,QT; BR; ARGILEUX/S
2.00	6.00	8.78	4.78	4.00	SA. FIN,QT; BARIOLE; SI
6.00	13.00	4.78	-2.22	7.00	SILT,QT; JA/OCRE; ARGIL
13.00	17.00	-2.22	-6.22	4.00	SA. FIN,QT; BR; MOYEN;
17.00	30.00	-6.22	-19.22	13.00	SA. GRAVIL.,QT; LATERIT
30.00	35.00	-19.22	-24.22	5.00	MARNE,EMI; OCRE.
35.00	50.00	-24.22	-39.22	15.00	MARNE,EMI; RO; LIE DE V

USAID/DAKAR/SENEGAL

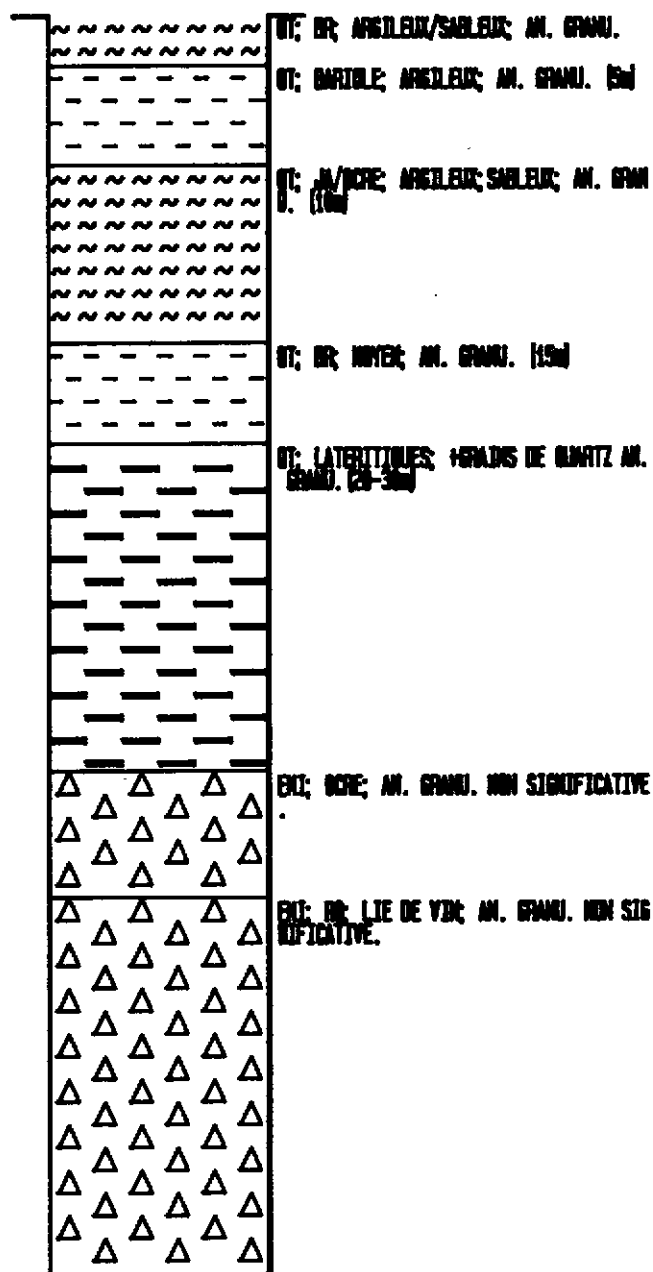


LEGEND

	ARG./PLAST.	0
	ARG./SABLE	3
	SILT	6
	SA. FIN	9
	SA. MOY.	12
	SA. GROS.	15
	GRAV. FIN	18
	GRAV. MOY.	21
	GRAV. GROS.	24
	SA. DUNAIRE	27
	SA. GRAVIL.	30
	GRES/SABLE	33
	GRES/SA/CALC	36
	CALCAIRE	39
	GRES FER.	42
	SA. COQUIL.	45
	MARNE	48
	SOL ORGAN.	51
	LATERITE	
	SCHISTE	

SCALE IN M

GA0320



PROJECT: OMVS/USAID
 FILE: 625-0958
 LOCATION: KAEDI 18

LITHOLOGY

USAID/DAKAR/SENEGAL

FIGURE GA0320

WELL LITHOLOGY

PROJECT: OMVS/USAID
LOCATION: KAEDI 1B
WELL NO.: GA0320
DRILLER: SAFOR

FILE NO.: 625-0958
ELEVATION (M): 11.036
DATE DRILLED: 02/12/87
TYPE OF RIG: ROTARY

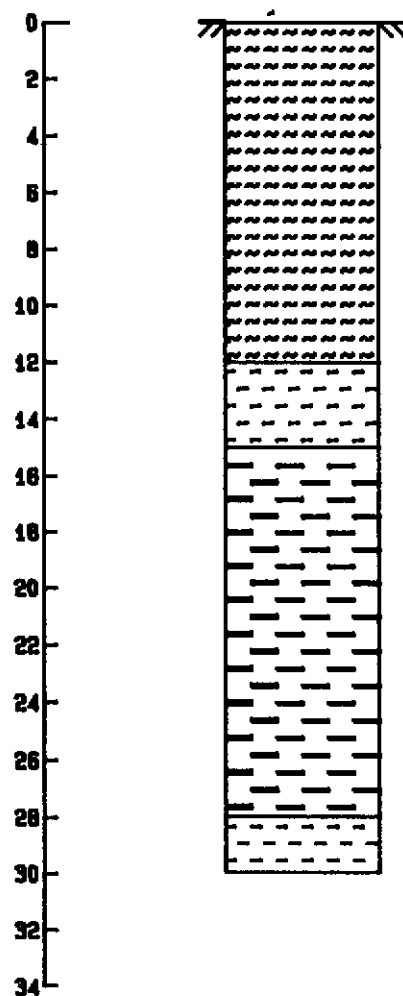
DEPTH (M)		ELEVATION (M)		THICKNESS (M)	LITHOLOGY
FROM	TO	FROM	TO		
0.00	2.00	11.04	9.04	2.00	SILT,QT; BR; ARGILEUX/S
2.00	6.00	9.04	5.04	4.00	SA. FIN,QT; BARIOLE; AR
6.00	13.00	5.04	-1.96	7.00	SILT,QT; JA/OCRE; ARGIL
13.00	17.00	-1.96	-5.96	4.00	SA. FIN,QT; BR; MOYEN;
17.00	30.00	-5.96	-18.96	13.00	SA. GRAVIL.,QT; LATERIT
30.00	35.00	-18.96	-23.96	5.00	MARNE,EMI; OCRE; AN. GR
35.00	50.00	-23.96	-38.96	15.00	MARNE,EMI; RO; LIE DE V

USAID/DAKAR/SENEGAL

LEGEND

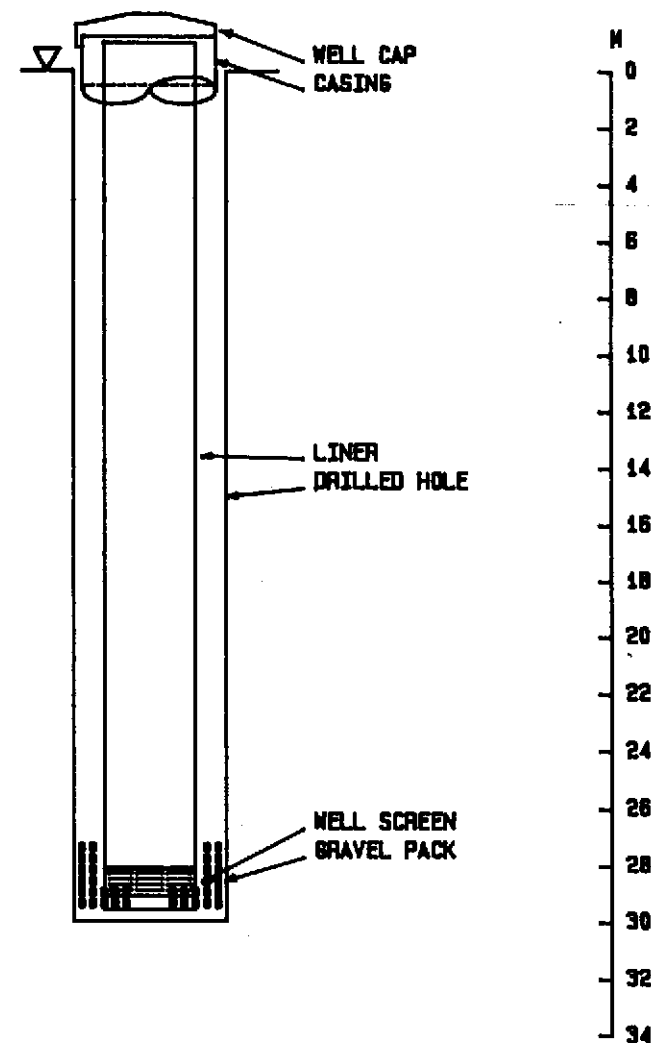
	ARG./PLAST.
	ARG./SABLE
	SILT
	SA. FIN
	SA. MOY.
	SA. GROS.
	GRAV. FIN
	GRAV. MOY.
	GRAV. GROS.
	SA. DUNAIRE
	SA. GRAVIL.
	GRES/SABLE
	GRES/SA/CALC
	CALCAIRE
	GRES FER.
	SA. COQUIL.
	MARNE
	SOL ORGAN.
	LATERITE
	SCHISTE

LITHOLOGY



SCALE: 1 CM = 2 M

WELL CONSTRUCTION DETAILS



▽ STATIC WATER LEVEL

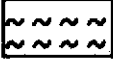
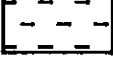
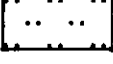
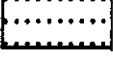
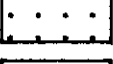
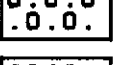
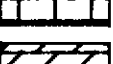
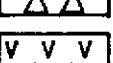
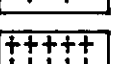
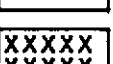
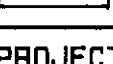
PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: KAFI 18

COUPE GEOLOGIQUE

USAID/DAKAR/SENEGAL

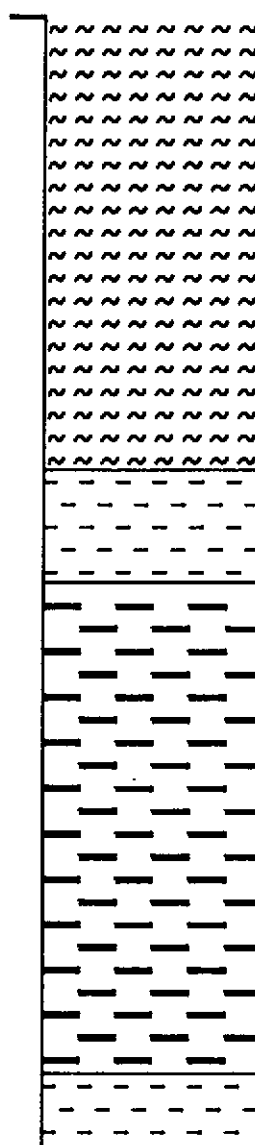
FIGURE: 6A0321

LEGEND

	ARG./PLAST.	0
	ARG./SABLE	2
	SILT	4
	SA. FIN	6
	SA. MOY.	8
	SA. GROS.	10
	GRAV. FIN	12
	GRAV. MOY.	14
	GRAV. GROS.	16
	SA. DUNAIRE	18
	SA. GRAVIL.	20
	GRES/SABLE	22
	GRES/SA/CALC	24
	CALCAIRE	26
	GRES FER.	28
	SA. COQUIL.	30
	MARNE	32
	SOL ORGAN.	34
	LATERITE	
	SCHISTE	

SCALE IN M

GA0321



QT: BR: ARGILEUX/SABLEUX: COMPAC A LA BASE (GA0320)

QT: BR: MOYEN (GA0320)

QT: BR: LATERTIQUES + GRAINS DE QUARTZ (GA0320)

QT: JA: MOYEN AN. GRANU.

PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: KAEDI 18

LITHOLOGY

USAID/DAKAR/SENEGAL

FIGURE GA0321

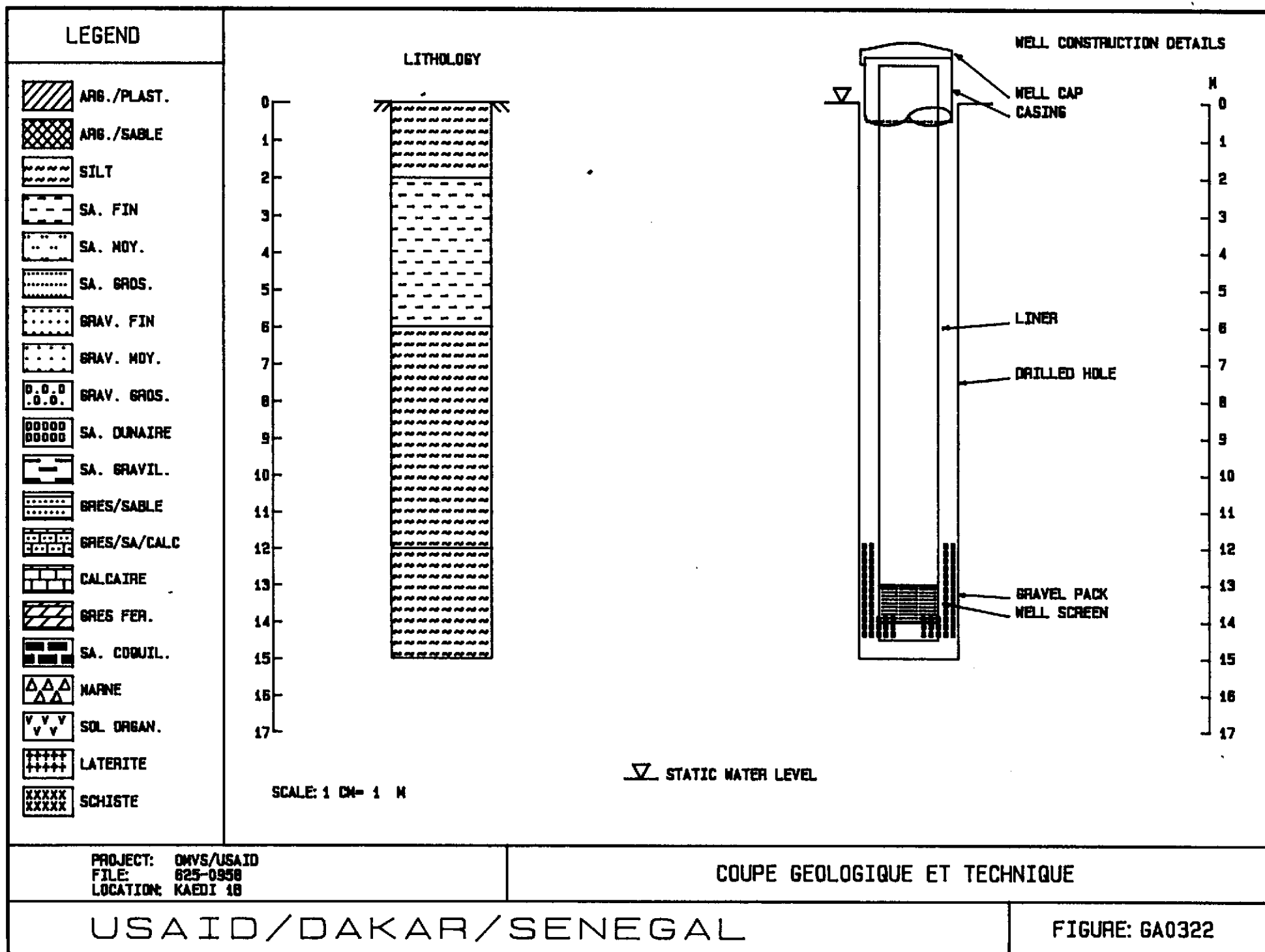
WELL LITHOLOGY

PROJECT:DMVS/USAID
LOCATION:KAEDI 1B
WELL NO.:GA0321
DRILLER:SAFOR

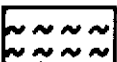
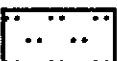
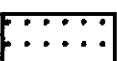
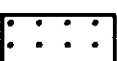
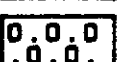
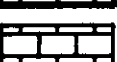
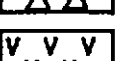
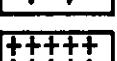
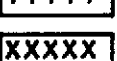
FILE NO.:625-0958
ELEVATION (M): 11.076
DATE DRILLED:02/12/87
TYPE OF RIG:ROTARY

DEPTH (M)		ELEVATION (M)		THICKNESS (M)	LITHOLOGY
FROM	TO	FROM	TO		
0.00	12.00	11.08	-0.92	12.00	SILT,QT; BR; ARGILEUX/S
12.00	15.00	-0.92	-3.92	3.00	SA. FIN,QT; BR; MOYEN
15.00	28.00	-3.92	-16.92	13.00	SA. GRAVIL.,QT; BR; LAT
28.00	30.00	-16.92	-18.92	2.00	SA. FIN,QT; JA; MOYEN;

USAID/DAKAR/SENEGAL

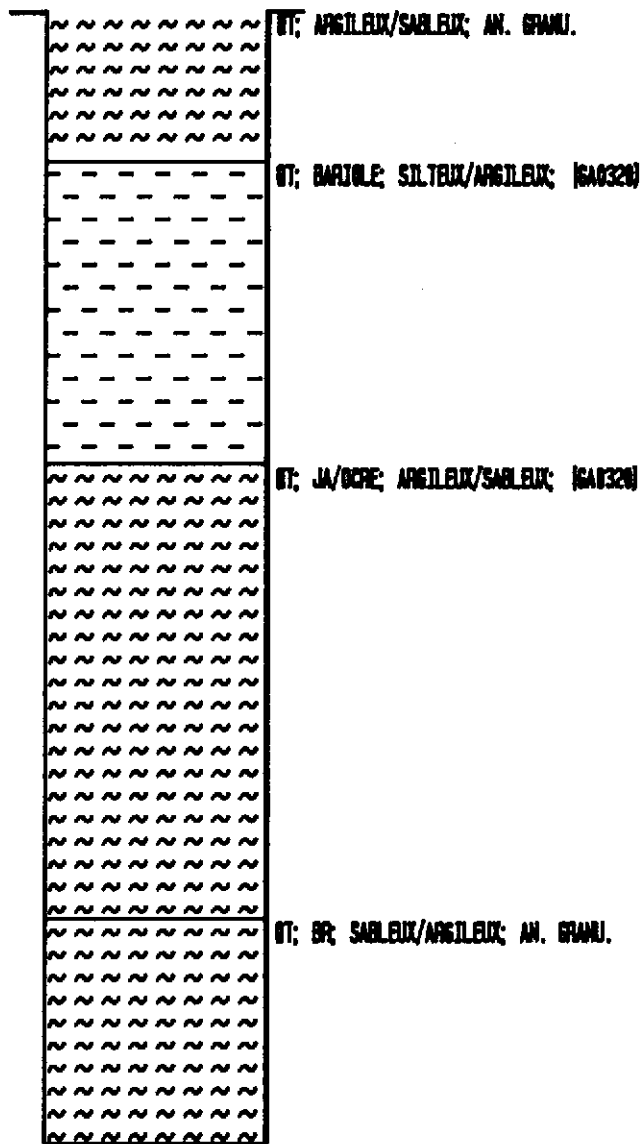


LEGEND

	ARG./PLAST.	0
	ARG./SABLE	1
	SILT	2
	SA. FIN	3
	SA. MOY.	4
	SA. GROS.	5
	GRAV. FIN	6
	GRAV. MOY.	7
	GRAV. GROS.	8
	SA. DUNAIRE	9
	SA. GRAVIL.	10
	GRES/SABLE	11
	GRES/SA/CALC	12
	CALCAIRE	13
	GRES FER.	14
	SA. COQUIL.	15
	MARNE	16
	SOL ORGAN.	17
	LATERITE	
	SCHISTE	

SCALE IN M

GA0322



PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: KAEDI 1B

LITHOLOGY

USAID/DAKAR/SENEGAL

FIGURE GA0322

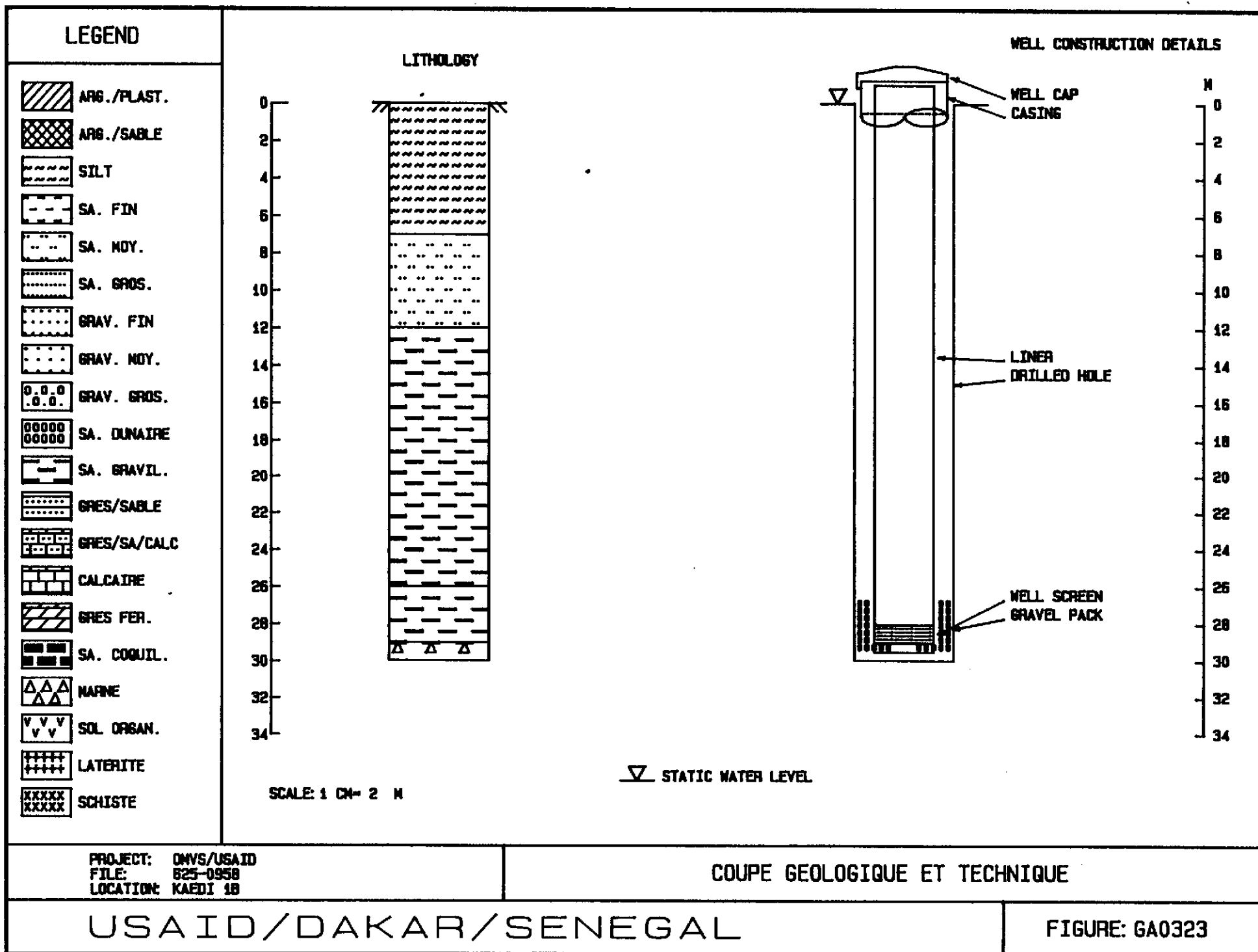
WELL LITHOLOGY

PROJECT:OMVS/USAID
LOCATION:KAEDI 1B
WELL NO.:GA0322
DRILLER:SAFOR

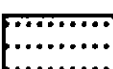
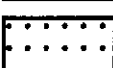
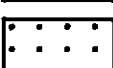
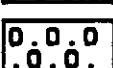
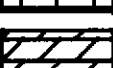
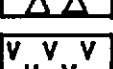
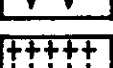
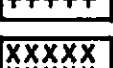
FILE NO.:625-0958
ELEVATION (M): 11.059
DATE DRILLED:03/12/87
TYPE OF RIG:ROTARY

DEPTH (M)		ELEVATION (M)		THICKNESS (M)	LITHOLOGY
FROM	TO	FROM	TO		
0.00	2.00	11.06	9.06	2.00	SILT,QT; ARGILEUX/SABLE
2.00	6.00	9.06	5.06	4.00	SA. FIN,QT; BARIOLE; SI
6.00	12.00	5.06	-0.94	6.00	SILT,QT; JA/OCRE; ARGIL
12.00	15.00	-0.94	-3.94	3.00	SILT,QT; BR; SABLEUX/AR

USAID/DAKAR/SENEGAL

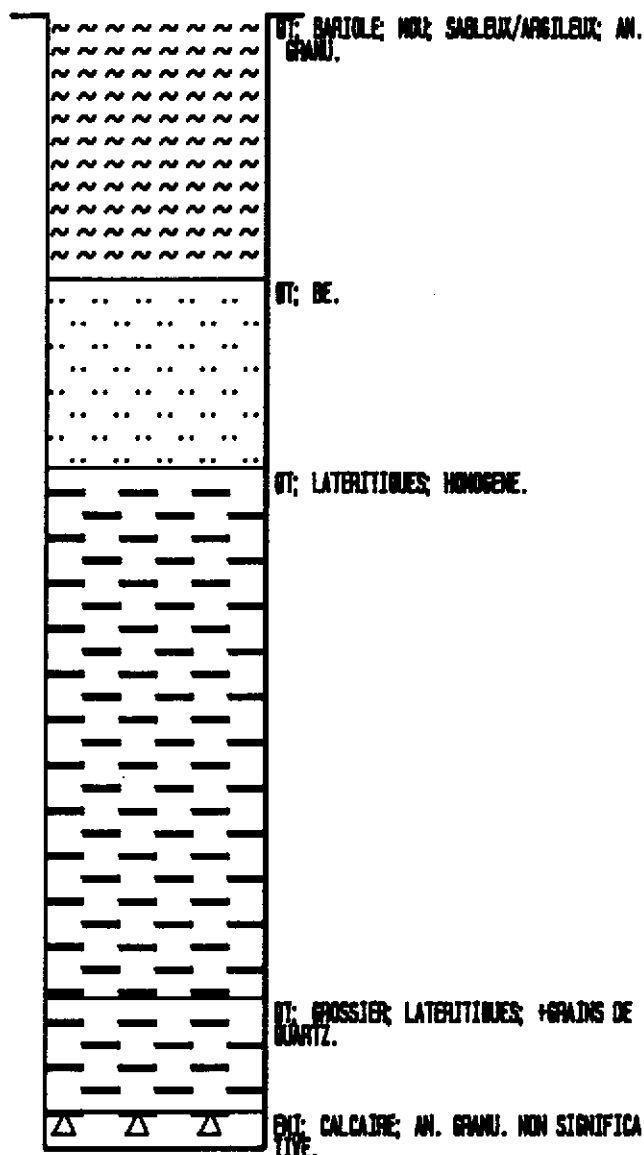


LEGEND

	ARG./PLAST.	0
	ARG./SABLE	2
	SILT	4
	SA. FIN	6
	SA. MOY.	8
	SA. GROS.	10
	GRAV. FIN	12
	GRAV. MOY.	14
	GRAV. GROS.	16
	SA. DUNAIRE	18
	SA. GRAVIL.	20
	GRES/SABLE	22
	GRES/SA/CALC	24
	CALCAIRE	26
	GRES FER.	28
	SA. COQUIL.	30
	MARNE	32
	SOL ORGAN.	34
	LATERITE	
	SCHISTE	

SCALE IN M

GA0323



PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: KAEDI 1B

LITHOLOGY

USAID/DAKAR/SENEGAL

FIGURE GA0323

WELL LITHOLOGY

PROJECT: OMVS/USAID
LOCATION: KAEDI 1B
WELL NO.: GA0323
DRILLER: SAFOR

FILE NO.: 625-0958
ELEVATION (M): 11.421
DATE DRILLED: 01/12/87
TYPE OF RIG: ROTARY

DEPTH (M)		ELEVATION (M)		THICKNESS (M)	LITHOLOGY
FROM	TO	FROM	TO		
0.00	7.00	11.42	4.42	7.00	SILT, QT; BARIOLE; MDU;
7.00	12.00	4.42	-0.58	5.00	SA. MOY., QT; BE.
12.00	26.00	-0.58	-14.58	14.00	SA. GRAVIL., QT; LATERIT
26.00	29.00	-14.58	-17.58	3.00	SA. GRAVIL., QT; GROSSIE
29.00	30.00	-17.58	-18.58	1.00	MARNE, EMI; CALCAIRE; AN

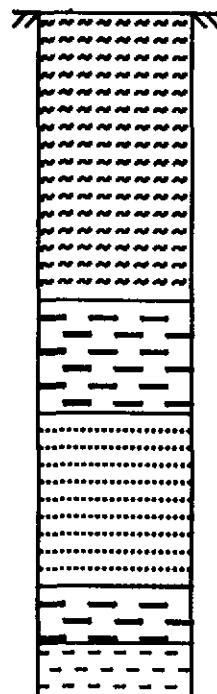
USAID/DAKAR/SENEGAL

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

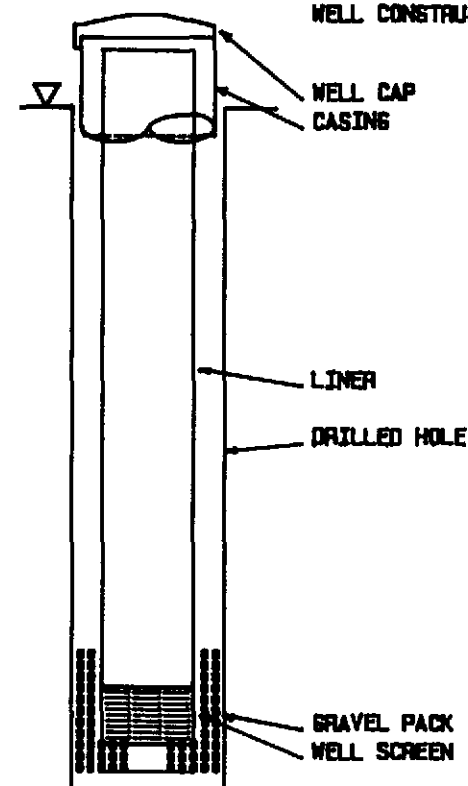
LITHOLOGY

0
1
2
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17



SCALE: 1 CM = 1 M

WELL CONSTRUCTION DETAILS



N
0
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17

▽ STATIC WATER LEVEL

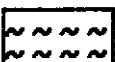
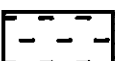
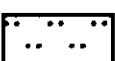
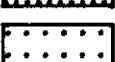
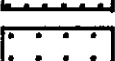
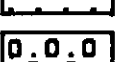
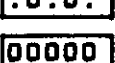
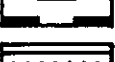
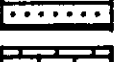
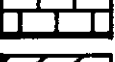
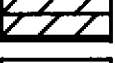
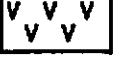
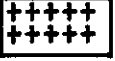
PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: KAEDI 18

COUPE GEOLOGIQUE ET TECHNIQUE

USAID/DAKAR/SENEGAL

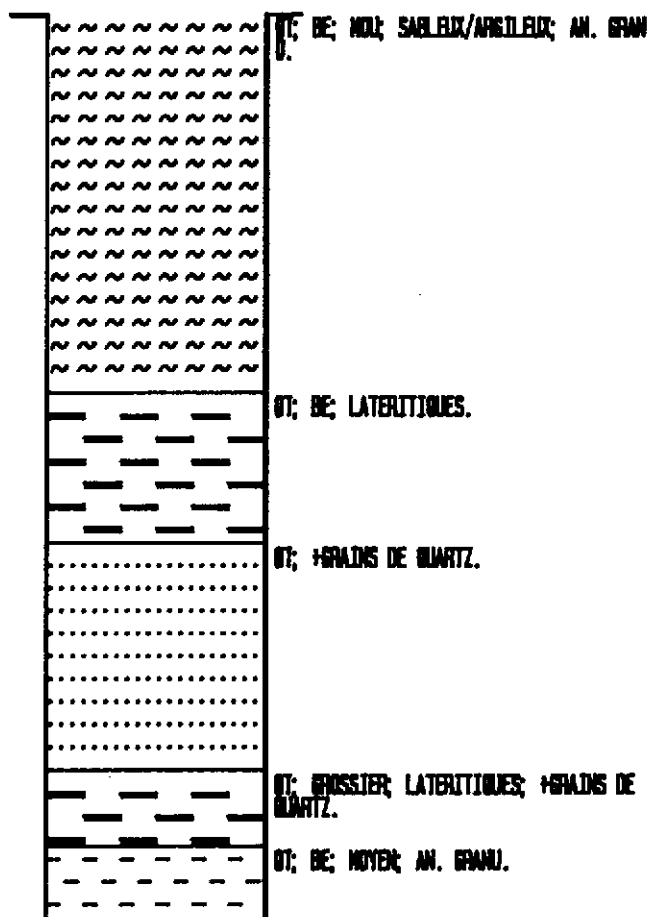
FIGURE: GA0324

LEGEND

	ARG./PLAST.	0
	ARG./SABLE	1
	SILT	2
	SA. FIN	3
	SA. MOY.	4
	SA. GROS.	5
	GRAV. FIN	6
	GRAV. MOY.	7
	GRAV. GROS.	8
	SA. DUNAIRE	9
	SA. GRAVIL.	10
	GRES/SABLE	11
	GRES/SA/CALC	12
	CALCAIRE	13
	GRES FER.	14
	SA. COQUIL.	15
	MARNE	16
	SOL ORGAN.	17
	LATERITE	
	SCHISTE	

SCALE IN M

GA0324



PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: KAEDI 1B

LITHOLOGY

USAID/DAKAR/SENEGAL

FIGURE GA0324

WELL LITHOLOGY

PROJECT:OMVS/USAID
LOCATION:KAEDI 1B
WELL NO.:GA0324
DRILLER:SAFOR

FILE NO.:625-0958
ELEVATION (M): 11.429
DATE DRILLED:01/12/87
TYPE OF RIG:ROTARY

DEPTH (M)		ELEVATION (M)		THICKNESS (M)	LITHOLOGY
FROM	TO	FROM	TO		
0.00	5.00	11.43	6.43	5.00	SILT,QT; BE; MOU; SABLE
5.00	7.00	6.43	4.43	2.00	SA. GRAVIL.,QT; BE; LAT
7.00	10.00	4.43	1.43	3.00	SA. GROS.,QT; +GRAINS D
10.00	11.00	1.43	0.43	1.00	SA. GRAVIL.,QT; GROSSIE
11.00	12.00	0.43	-0.57	1.00	SA. FIN,QT; BE; MOYEN;

USAID/DAKAR/SENEGAL

WELL LITHOLOGY

PROJECT: OMVS/USAID
LOCATION: KAEDI 1B
WELL NO.: DREF88
DRILLER: SASSIF

FILE NO.: 625-0958
ELEVATION (M): 22.461
DATE DRILLED: 19/12/88
TYPE OF RIG: BATTAGE

DEPTH (M)		ELEVATION (M)		THICKNESS (M)	LITHOLOGY
FROM	TO	FROM	TO		
0.00	8.00	22.46	14.46	8.00	SA. MOY., RT/CT; BE/MA;
8.00	10.00	14.46	12.46	2.00	ARG./PLAST., RT/CT; BE;
10.00	17.00	12.46	5.46	7.00	CALCAIRE, EMI; BE; MARNE
17.00	20.00	5.46	2.46	3.00	ARG./PLAST., EMI; BE/MA;
20.00	22.00	2.46	0.46	2.00	CALCAIRE, EMI; BLANC/BE;
22.00	27.00	0.46	-4.54	5.00	CALCAIRE, EMI; +ARGILE B
27.00	28.00	-4.54	-5.54	1.00	ARG./PLAST., EMI; BE; +G
28.00	39.00	-5.54	-16.54	11.00	CALCAIRE, EMI; BLANC/BE/
39.00	44.00	-16.54	-21.54	5.00	ARG./PLAST., EMI; BE/GR;
44.00	70.00	-21.54	-47.54	26.00	ARG./PLAST., EMI; GR/NO;
70.00	72.00	-47.54	-49.54	2.00	ARG./PLAST., EMI; NO; SA
72.00	76.00	-49.54	-53.54	4.00	SA. FIN, EMI; BLANC; +QU
76.00	82.00	-53.54	-59.54	6.00	SA. FIN, EMI; BLANC/OR;
82.00	101.00	-59.54	-78.54	19.00	SA. FIN, EMI/EMP; BLANC/
101.00	125.00	-78.54	-102.54	24.00	SA. FIN, EMP; BLANC; +FY
125.00	130.00	-102.54	-107.54	5.00	SA. FIN, EMP; BARIOLE; A
130.00	150.00	-107.54	-127.54	20.00	SA. FIN, M; RO/GR; ARGIL
150.00	164.00	-127.54	-141.54	14.00	SA. FIN, M; GR/RO; MOYEN
164.00	167.00	-141.54	-144.54	3.00	SA. FIN, M; BE/MA; ARGIL
167.00	197.00	-144.54	-174.54	30.00	SA. FIN, M; BLANC/BE/MA.
197.00	199.00	-174.54	-176.54	2.00	SA. FIN, M; BLANC/BE/MA;
199.00	230.00	-176.54	-207.54	31.00	SA. FIN, M; BR/RO; ARGIL
230.00	255.00	-207.54	-232.54	25.00	SA. FIN, M; BR/RO; ARGIL
255.00	296.60	-232.54	-276.14	43.60	ARG./SABLE, M; RO.

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

09 KAEDI 1B

ANNEXE # 2

ANALYSES GRANULOMETRIQUES

- * Résultats des analyses granulométriques
- * Courbes granulométriques

PROJET OMVS/USAID
625-0958

RESULTATS DES ANALYSES GRANULOMETRIQUES

Responsable des prélèvements: SAFOR

Responsable des analyses: SAED/ Laboratoire de ROSS- BETHIO

Fichier: GRANUL0.FIC

Page .1. de .4.

PIEZO #	HORIZON B1/B2	% POIDS/ CLASSE GRANULOMETRIQUE					% POIDS TOTAL
		ARGILE	LIMON FIN	LIMON GROSSIER	SABLE FIN	SABLE GROSSIER	
GA 314	B1	10,10	32,52	36,50	20,10	0,80	100,02
GA 314	B2	15,20	20,00	9,60	47,20	8,00	100
GA 315	B1	15,10	30,00	44,15	10,60	0,15	100
GA 315	B2	-	-	-	-	-	-
GA 316	B1	25,20	20,00	53,20	1,60	0,00	100
GA 316	B2	2,60	2,50	0,50	6,00	88,40	100
GA 317	B1	27,60	22,50	17,65	32,00	0,25	100
GA 317	B2	10,60	10,00	13,70	47,60	18,50	100,4
GA 318	B1	27,60	12,50	41,50	14,60	3,80	100
GA 318	B2	5,10	7,50	9,25	37,70	40,45	100
GA 320	B1	27,60	12,50	41,80	15,60	2,50	100
GA 320	B2	37,60	10,00	34,25	15,45	2,70	100
GA 320	5 m	14,7	10,00	29,70	42,45	3,15	100
GA 320	10 m	20,10	12,50	37,20	17,60	12,60	100
GA 320	15 m	7,60	2,50	2,70	35,70	51,50	100
GA 320	20 m	10,10	5,00	10,20	30,00	41,70	97
GA 320	30 m	7,60	2,50	4,75	32,90	52,25	100

RESULTATS DES ANALYSES GRANULOMETRIQUES

Responsable des prélèvements: SAFOR

Responsable des analyses: SAED/ Laboratoire de ROSS- BETHIO

Fichier: GRANULO.FIC

Page .2. de .4.

PIEZO #	HORIZON B1/B2	% POIDS/ CLASSE GRANULOMETRIQUE					% POIDS TOTAL
		ARGILE	LIMON FIN	LIMON GROSSIER	SABLE FIN	SABLE GROSSIER	
GA 3 20	35m	12,60	15,00	19,20	43,43	9,80	100,03
GA 3 20	45m	30,10	15,00	34,25	14,50	6,15	100
GA 3 21	B2	7,60	5,00	8,70	36,70	42,00	100
GA 3 22	B1	27,60	12,52	38,50	16,80	4,50	99,92
GA 3 22	B2	20,10	2,50	32,30	15,80	29,20	99,9
GA 3 23	B1	10,10	22,50	27,60	38,70	1,10	100
GA 3 23	B2	15,10	5,00	11,95	12,10	55,85	100
GA 3 24	B1	14,70	20,00	30,05	34,20	1,05	100
GA 3 24	B2	2,20	2,50	7,65	34,20	53,45	100
DA 2 62	19m - B2	0,00	2,00	3,63	41,88	49,97	97,48
DA 2 63	47m - B2	32,70	16,86	6,80	40,32	1,86	98,54
DA 2 64	5m - B3	20,83	12,84	3,43	34,75	26,65	98,5
DA 2 64	10m - B3	18,76	14,76	6,35	31,78	26,79	98,44
DA 2 64	15m - B3	15,46	11,46	5,44	51,76	14,28	98,4
DA 2 64	20m - B3	19,82	7,82	4,95	49,33	16,46	98,38
DA 2 64	25m - B3	10,13	2,14	2,75	56,67	20,77	92,46
DA 2 64	30m - B3	5,58	1,58	2,95	36,97	46,29	93,37

RESULTATS DES ANALYSES GRANULOMETRIQUES

Responsable des prélèvements: SAFOR

Responsable des analyses: SAED/ Laboratoire de ROSS- BETHIO

Fichier: GRANULO.FIC

Page .3. de .4.

PIEZO #	HORIZON B1/B2	% POIDS/ CLASSE GRANULOMETRIQUE					% POIDS TOTAL
		ARGILE	LIMON FIN	LIMON GROSSIER	SABLE FIN	SABLE GROSSIER	
DA 264	35m- B3	2,00	4,44	0,96	24,98	65,30	97,68
DA 264	39m- B3	0,00	3,60	1,50	8,60	81,92	95,62
DA 264	40m- B2	0,00	3,64	2,01	16,37	76,38	98,4
DA 264	40m- B3	0,00	7,34	2,55	6,54	81,92	98,35
DA 264	41m- B2	0,00	6,42	0,49	21,19	70,28	98,38
DA 264	42m- B2	0,00	6,38	0,73	21,49	69,74	98,34
DA 264	43m- B2	0,00	4,05	0,81	9,20	85,20	99,26
DA 264	44m- B2	0,00	6,62	0,56	11,34	79,87	98,39
DA 264	45m- B2	0,00	6,03	1,10	15,88	74,29	97,3
DA 264	46m- B2	0,00	7,30	2,95	31,50	56,44	98,19
DA 264	47m- B2	0,00	6,57	1,89	24,77	63,70	96,93
DA 264	48m- B2	0,00	6,50	1,39	13,50	76,94	98,33
DA 264	49m- B2	0,00	7,00	1,45	33,55	55,97	97,97
DA 264	50m- B3	0,00	6,40	0,63	14,80	75,93	97,76
DA 265	19m- B2	0,00	2,00	2,52	16,60	77,12	98,24
DA 267	33m- B2	16,00	11,58	12,80	54,78	3,46	98,62
DA 269	20m- B2	34,00	20,84	5,76	29,18	8,72	98,5

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

Page .4. de .4.

[illegible]

TYPE D'ECHANT. : ou m

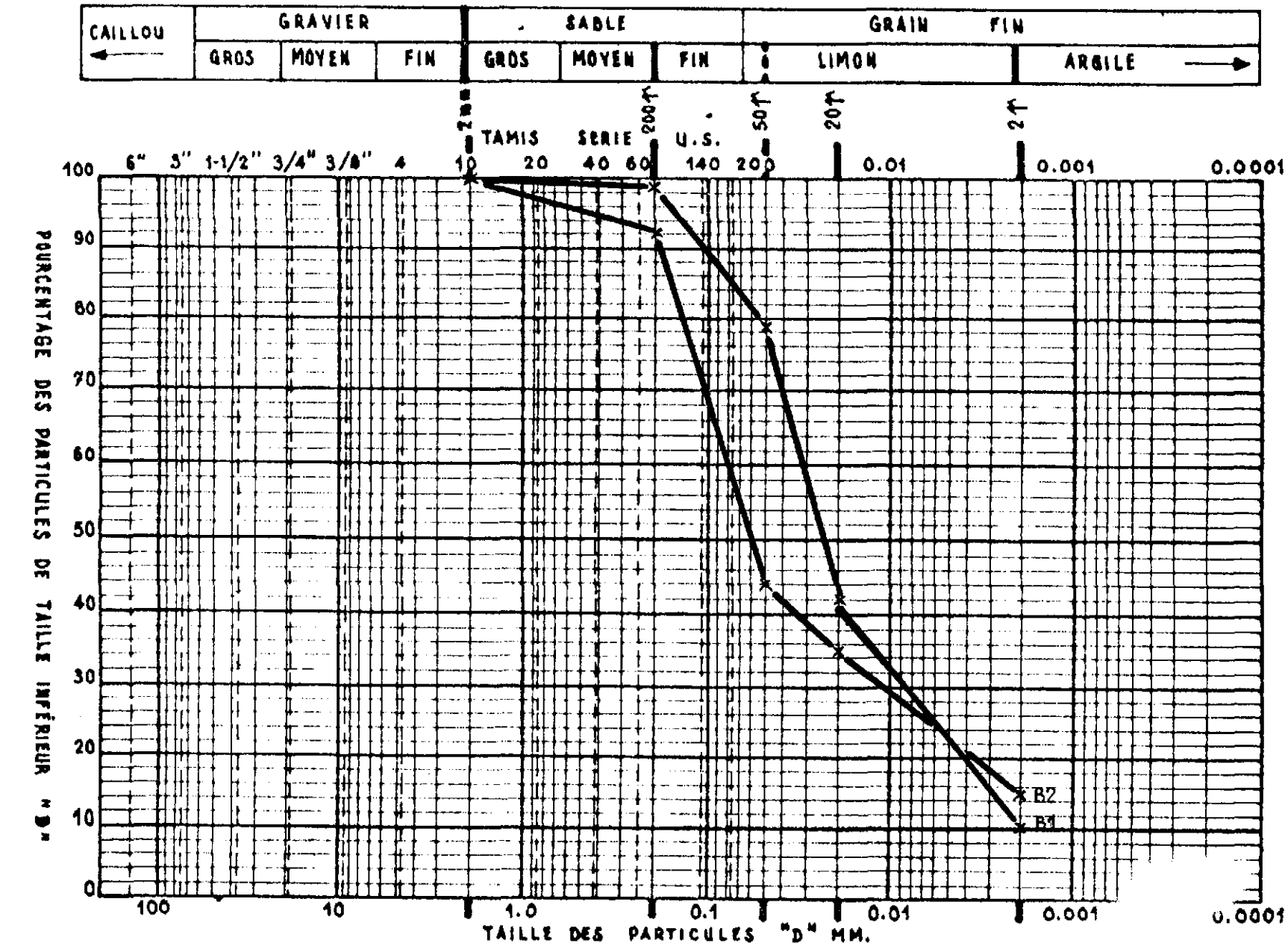
PAY 5

--- SENEGAL ---

PIEZOMÉTRIE N° Ø 9 1 B G A 3 1 4 H P

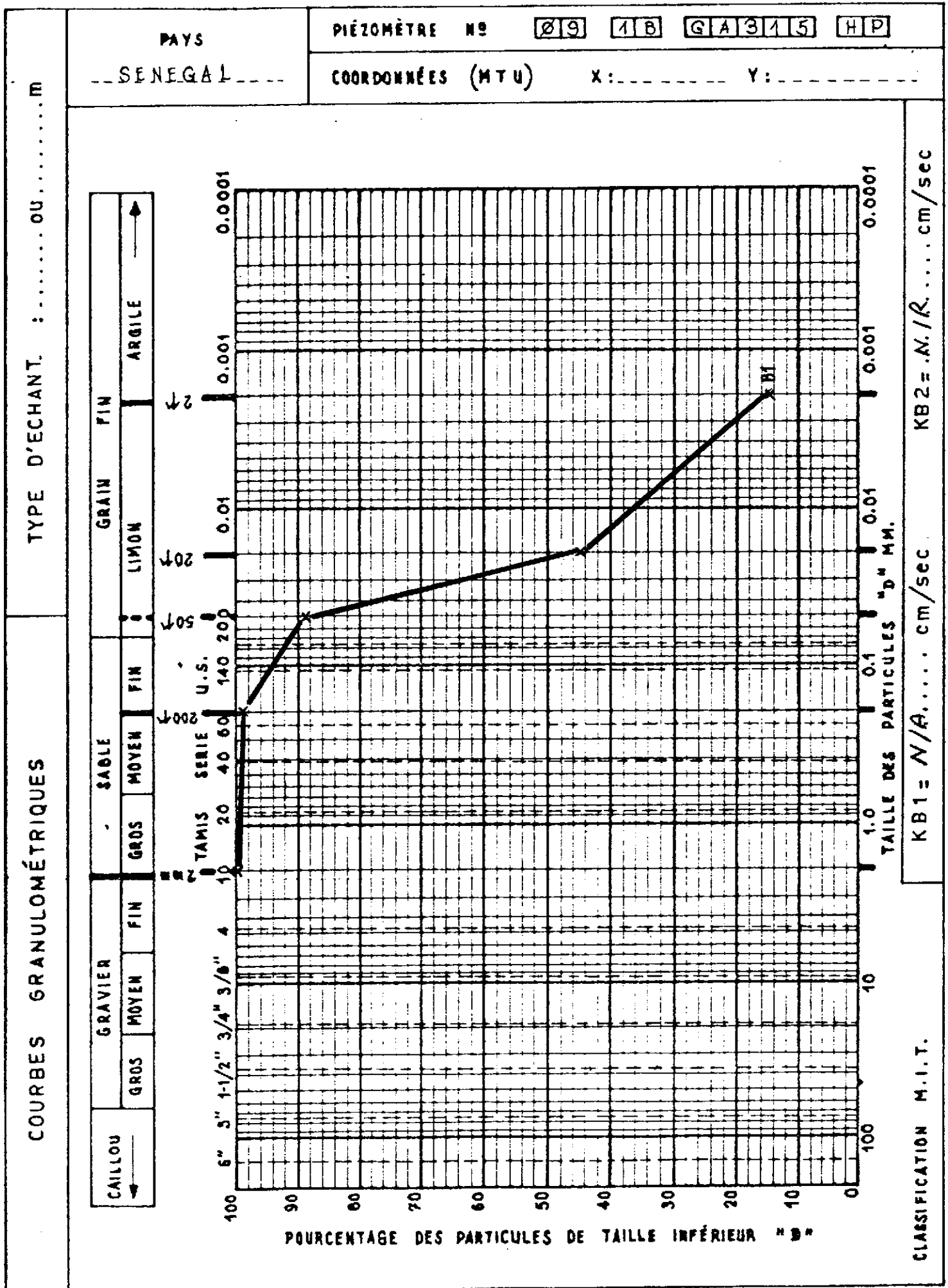
COORDONÉES (MTU) X:----- Y:-----

ORGANISATION POUR LA MISE EN VALEUR DU FLEUVE SÉNÉGAL (O.M.V.S.)
DIRECTION DE L'INFRASTRUCTURE RÉGIONALE (D.I.R.)
PROJET 625 - 0958 / U.S.A.I.D



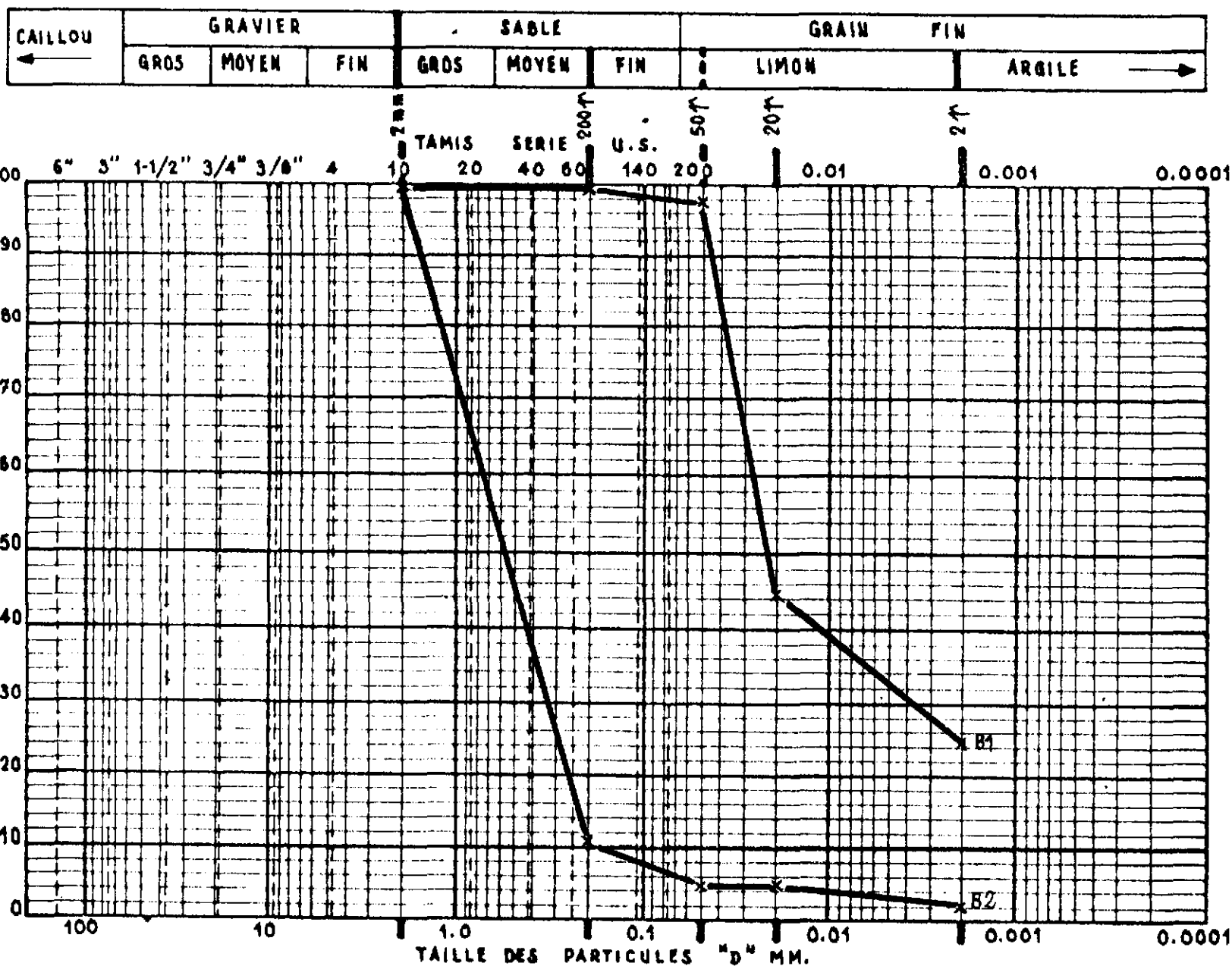
CLASSIFICATION M.I.T.

$$KB1 = .4 \times 10^{-6} \dots \text{cm/sec}$$
$$KB2 = \frac{N}{A} \dots \text{cm/sec}$$



COURBES GRANULOMÉTRIQUES

TYPE D'ECHANT. : OU M



CLASSIFICATION M.I.T.

KB1 = N/A cm/sec

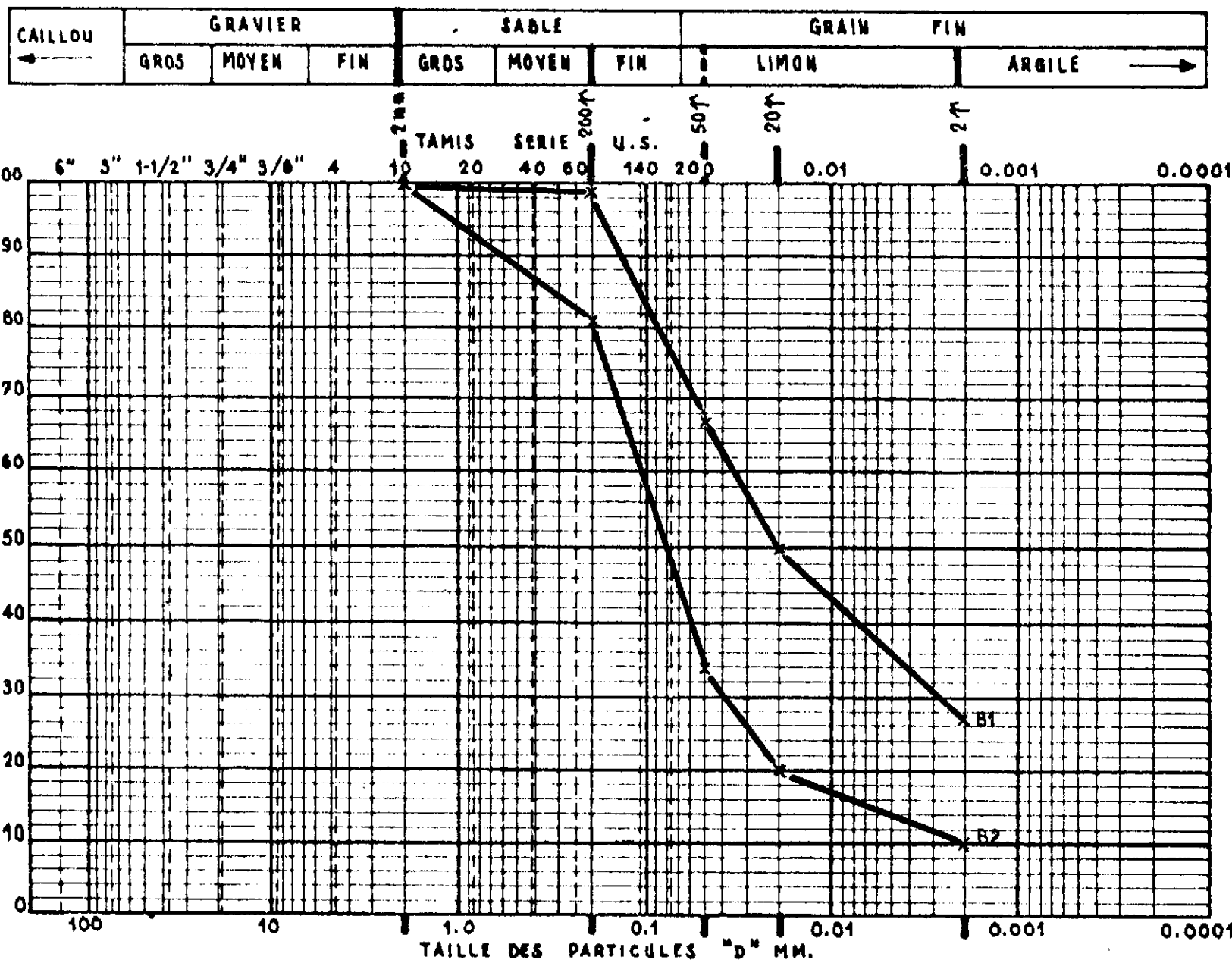
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PAYS
SÉNÉGAL

PIEZOMÈTRE N° 09 1B GA316 HP
COORDONNÉES (MTU) X: Y:

COURBES GRANULOMÉTRIQUES

TYPE D'ECHANT. : OU M



CLASSIFICATION M.I.T.

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

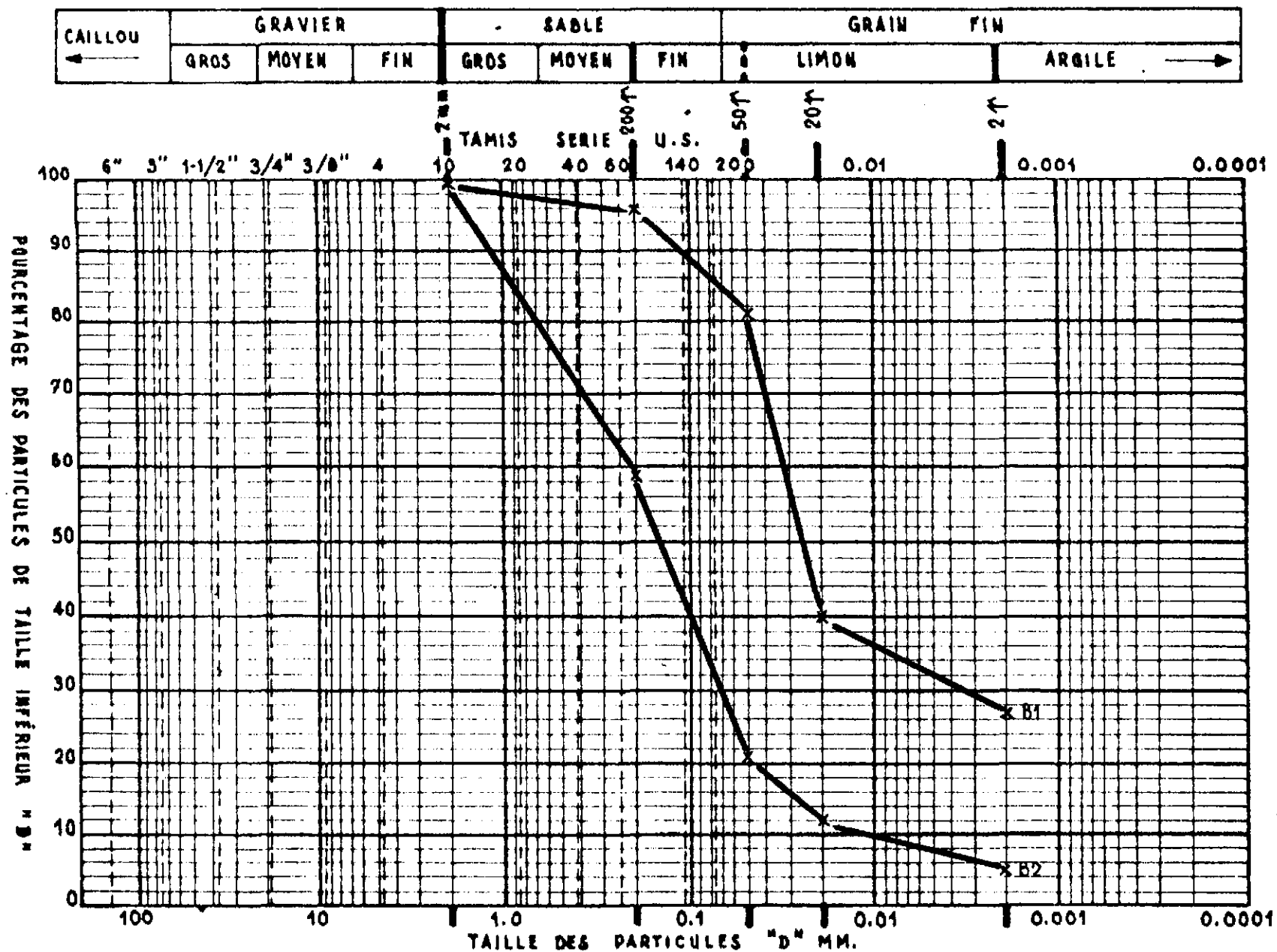
KB2 = 4×10^{-6} cm/sec

PAYS
----- SÉNÉGAL -----

PIEZOMÈTRE N° [09] [AB] [GA317] [HP]
 COORDONNÉES (MTU) X: Y:

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

TYPE D'ECHANT. : OU m



CLASSIFICATION M.I.T.

KB1 = *N/A* cm/sec

$$KB2 = 1.21 \times 10^{-4} \text{ cm/sec}$$

PAYS
SENEGAL

PIEZOMETRIE	Nº	09	18	G A 3 1 6	H P
COORDONÉES (M T U)	X :				Y :

ORGANISATION POUR LA MISE EN VALEUR DU FLEUVE SÉNÉGAL (O.M.V.S.)
DIRECTION DE L'INFRASTRUCTURE RÉGIONALE (D.I.R.)
PROJET 625-0958/U.S.A.I.D

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

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

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

COURBES GRANULOMÉTRIQUES

TYPE D'ÉCHANT. : OU m

ORGANISATION POUR LA MISE EN VALEUR DU FLEUVE SÉNÉGAL (O.M.V.S)
DIRECTION DE L'INFRASTRUCTURE RÉGIONALE (D.I.R)
PROJET 625-0958 / U.S.A.I.D

PAYS

----- SÉNÉGAL -----

PIEZOMÈTRE N°

09

1B

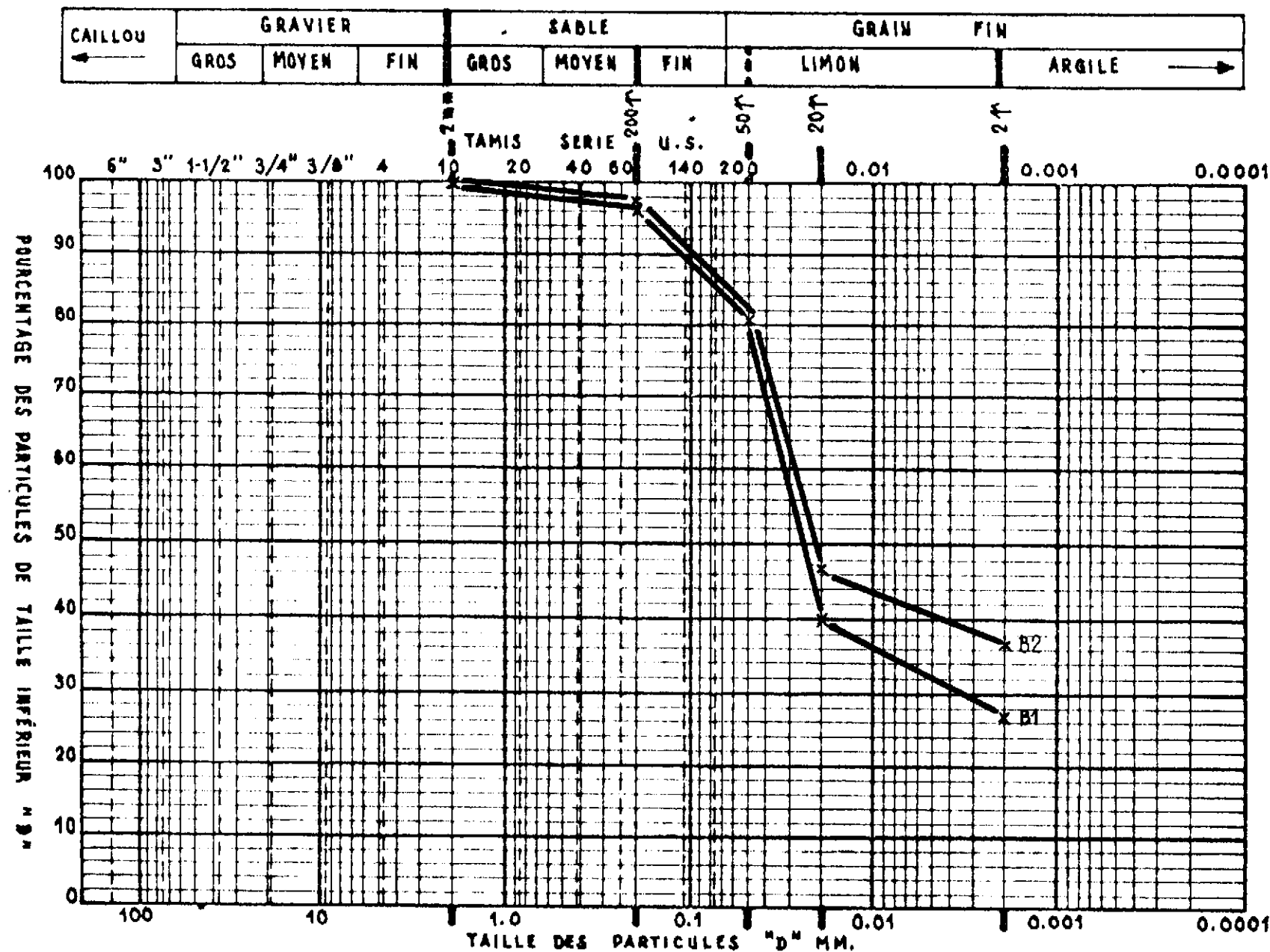
GA320

HP

COORDONNÉES (MTU)

X:-----

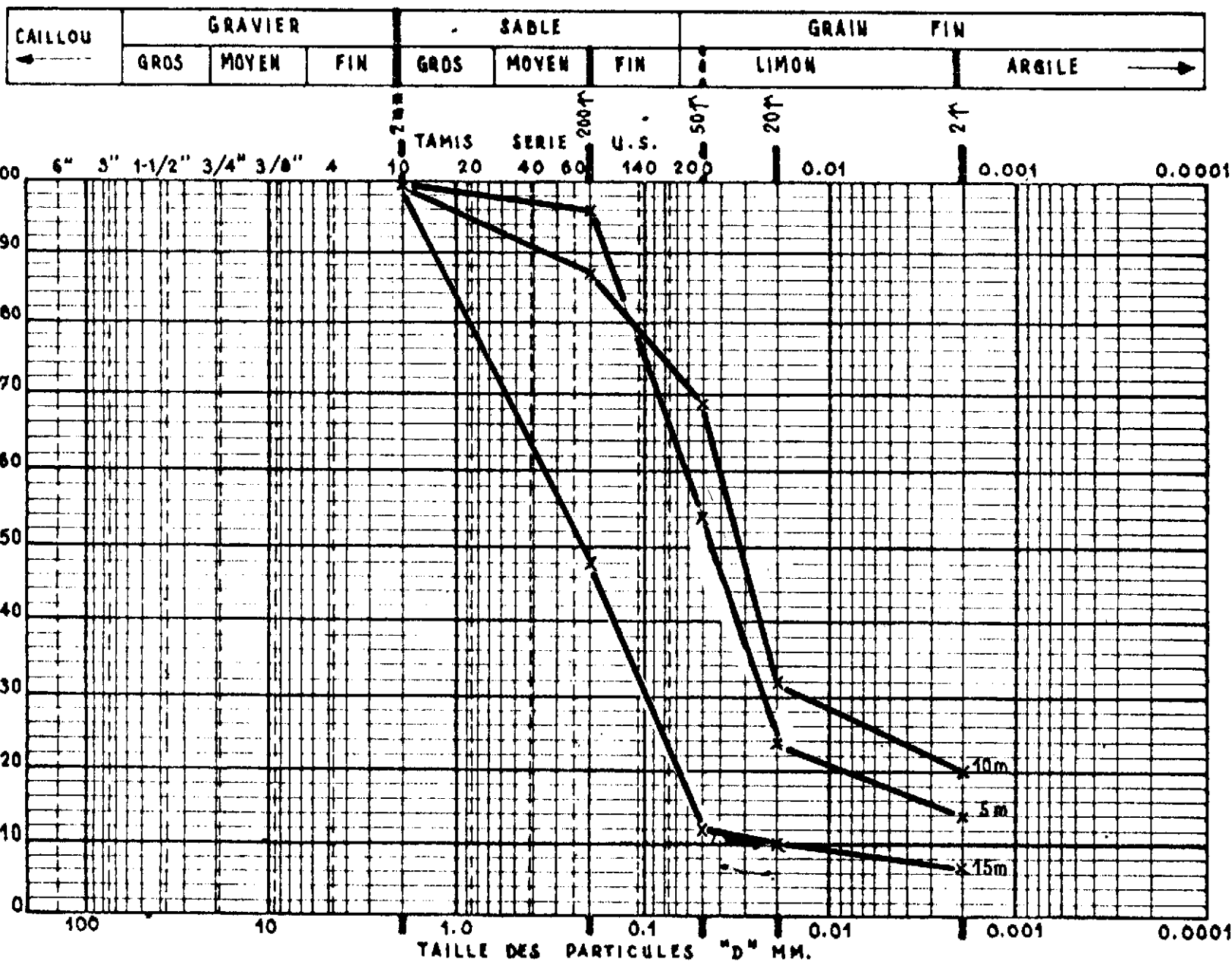
Y:-----



CLASSIFICATION M.I.T.

COURBES GRANULOMÉTRIQUES

TYPE D'ECHANT. : OU m



CLASSIFICATION M.I.T.

KB1 = cm/sec

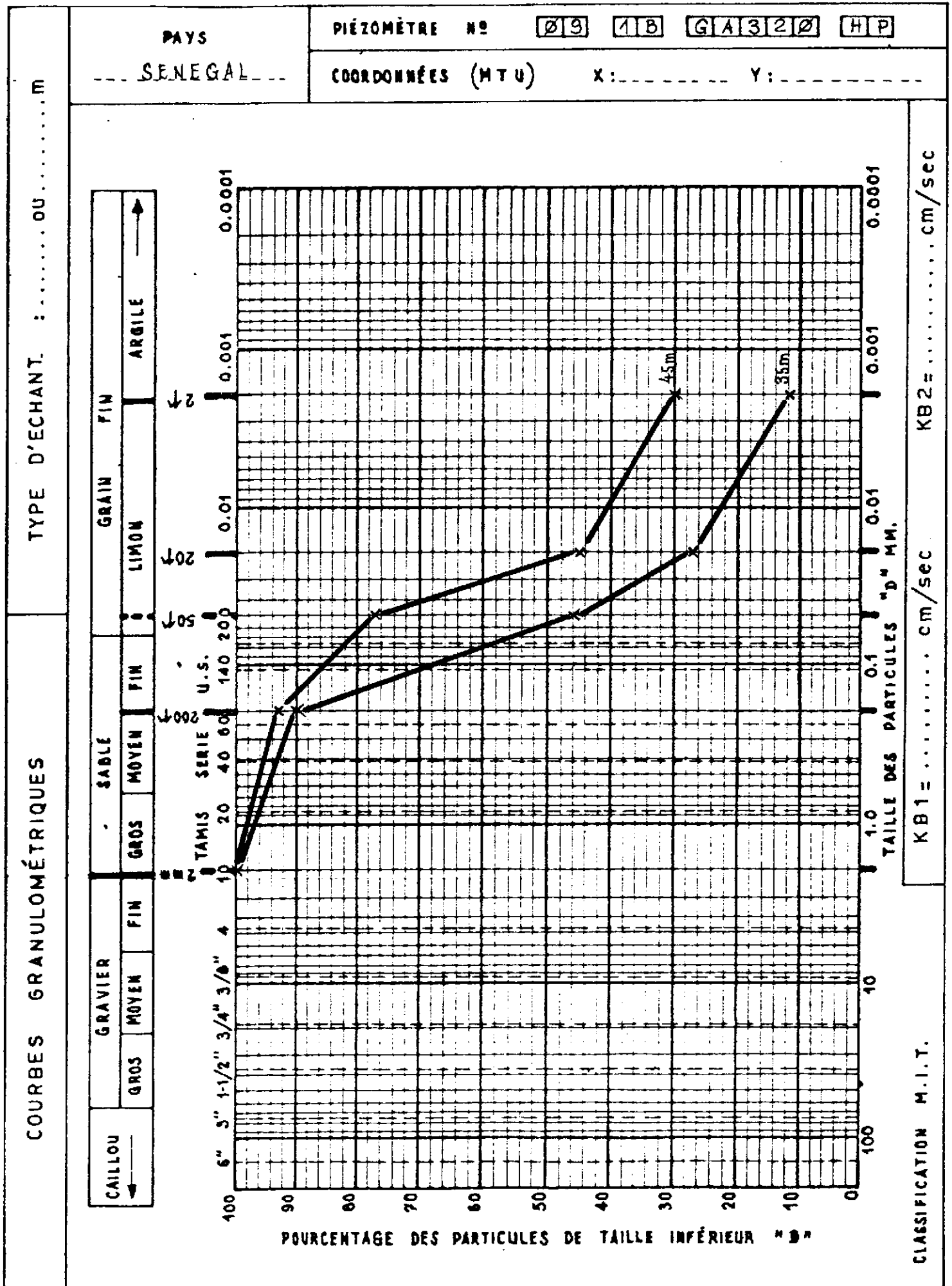
KB2 = cm/sec

PAYS
----- SÉNÉGAL -----

PIEZOMÈTRE N°

COORDONNÉES (MTU) X: Y:

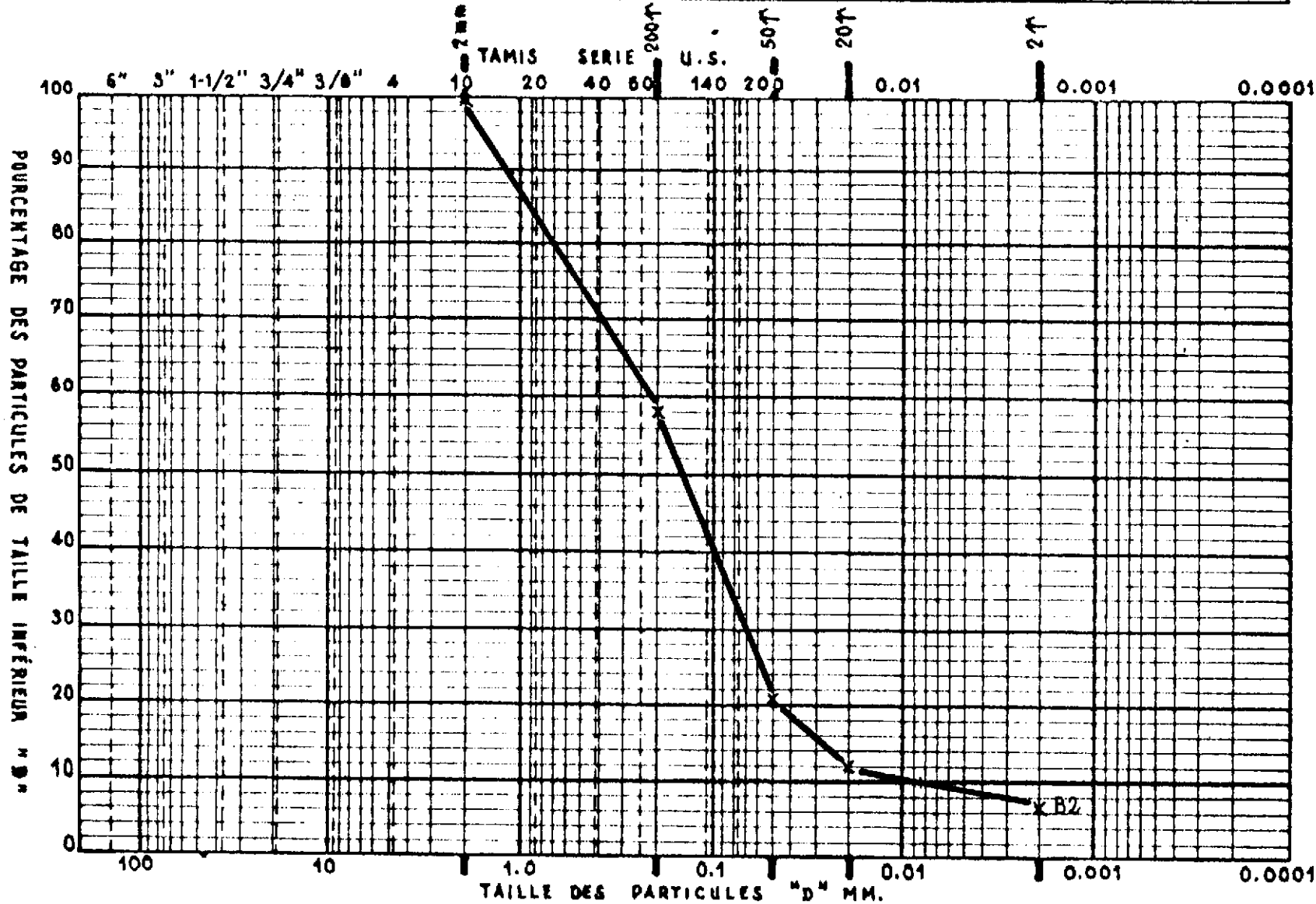
ORGANISATION POUR LA MISE EN VALEUR DU FLEUVE SÉNÉGAL (O.M.V.S.)
DIRECTION DE L'INFRASTRUCTURE RÉGIONALE (D.I.R.)
PROJET 625-0950/U.S.A.I.D.



COURBES GRANULOMÉTRIQUES

TYPE D'ECHANT. : OU m

CAILLLOU ←	GRAVIER			SABLE			GRAIN		FIN →
	GROS	MOYEN	FIN	GROS	MOYEN	FIN	LIMON	ARGILE	



CLASSIFICATION M.I.T.

KB1 = N/R cm/sec

KB2 = 7.23×10^{-5} cm/sec

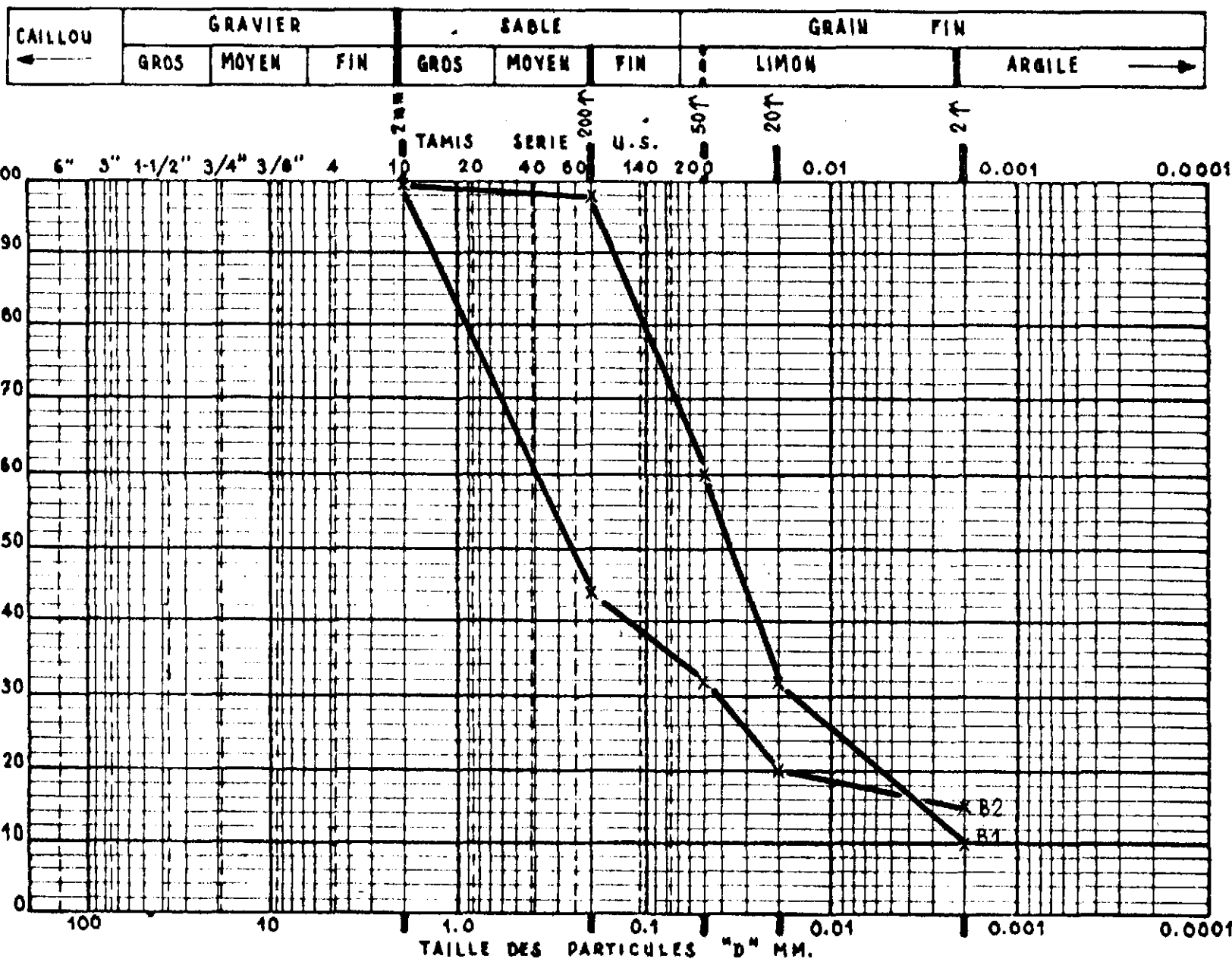
PAYS
--- SENEGAL ---

PIEZOMÈTRE N° [09] [1B] [GA32A] [HP]
COORDONNÉES (MTU) X: Y:

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

COURBES GRANULOMÉTRIQUES

TYPE D'ECHANT. : OU M



CLASSIFICATION M.I.T.

KB1 = 4×10^{-6} ... cm/sec

KB2 = N/R ... cm/sec

PAYS
SÉNÉGAL

PIEZOMÈTRE N° 09 1B GA323 HP

COORDONNÉES (MTU)

X:

Y:

ORGANISATION POUR LA MISE EN VALEUR DU FLEUVE SÉNÉGAL (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

CAILLLOU ←	GRAVIER			SABLE			GRAIN FIN		→
	GROS	MOYEN	FIN	GROS	MOYEN	FIN	LIMON	ARGILE	



CLASSIFICATION M.I.T.

KB1 = N/A. cm/sec.

KB2 = 1.6×10^{-3} cm/sec

PAYS
----- SÉNÉGAL -----

PIEZOMÈTRE N° 09 1B GA324 HP

COORDONNÉES (MTU) X: ----- Y: -----

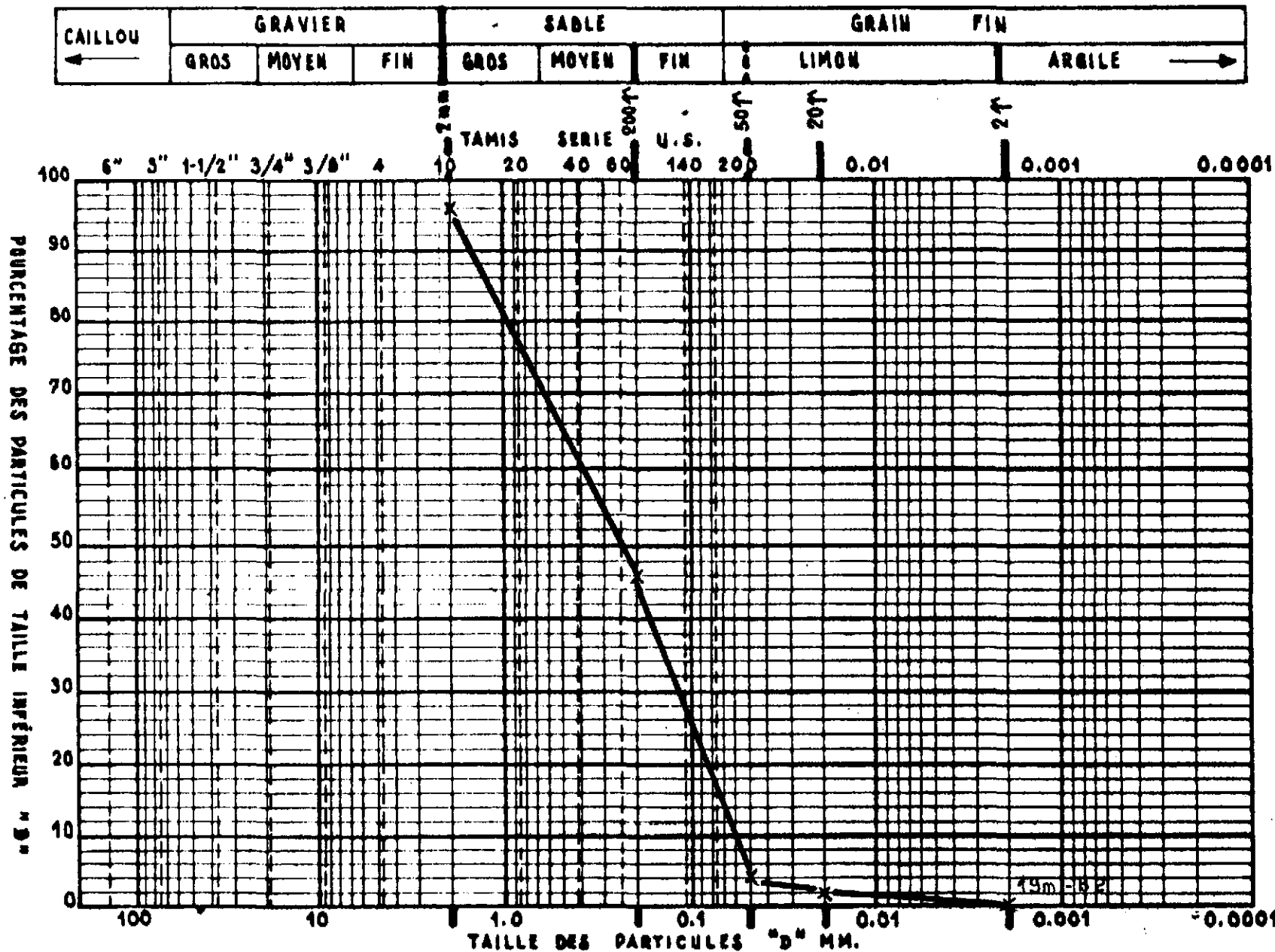
ORGANISATION POUR LA MISE EN VALEUR DU FLEUVE SÉNÉGAL (O.M.V.S.)
DIRECTION DE L'INFRASTRUCTURE RÉGIONALE (D.I.R.)
PROJET 625-0958/U.S.A.I.D

COURBES GRANULOMÉTRIQUES

TYPE D'ÉCHANT. : OU M

PAYS
MAURITANIE

PIEZOMÈTRE N° 09 718 DA262 HP
COORDONNÉES (M T U) X:----- Y:-----



CLASSIFICATION M.I.T.

KB1 = N/R cm/sec.

KB2 = 3.6×10^{-3} cm/sec

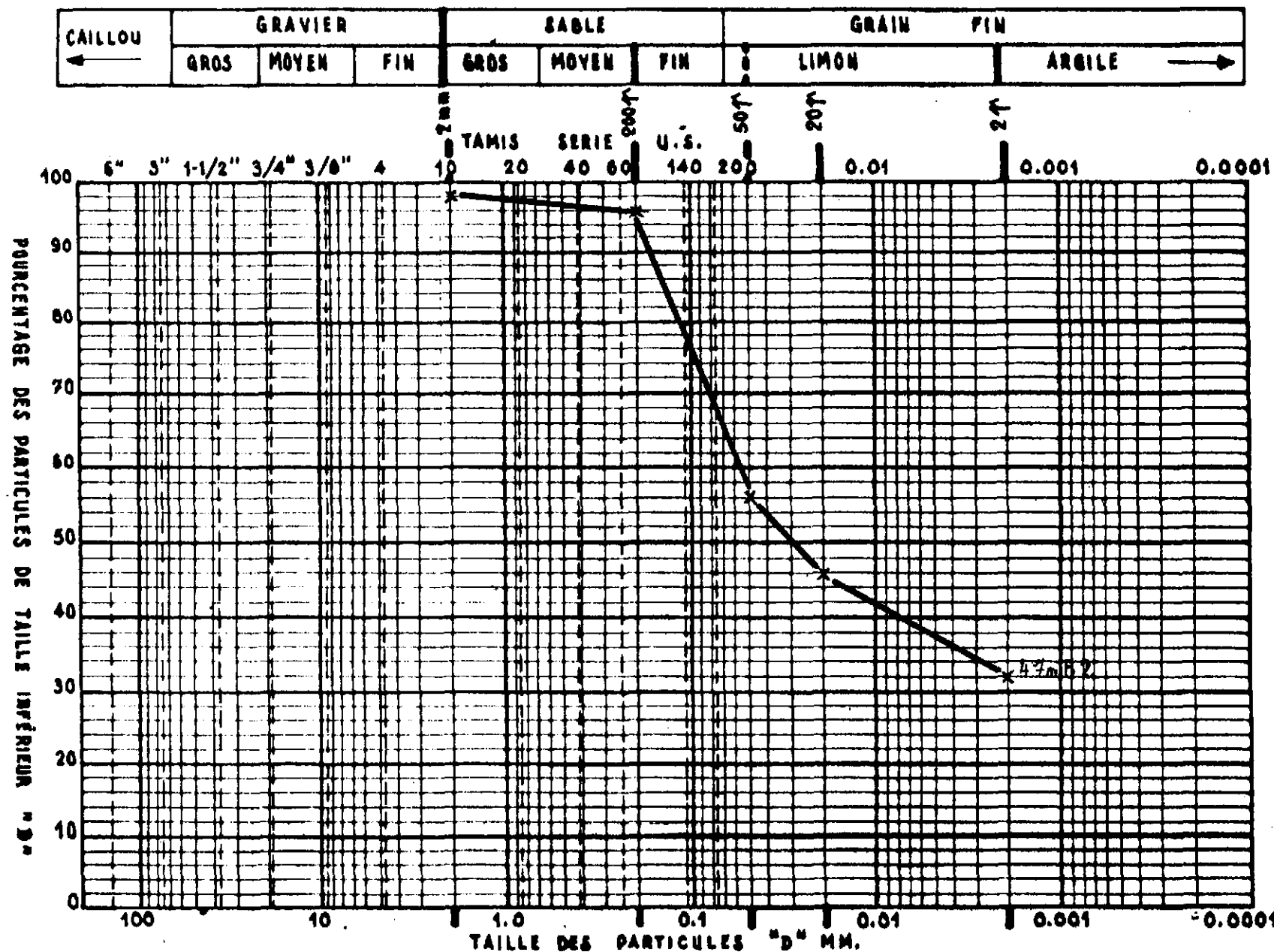
COURBES GRANULOMÉTRIQUES

TYPE D'ÉCHANT. : OU M

ORGANISATION POUR LA MISE EN VALEUR DU FLEUVE SÉNÉGAL (O.M.V.S.)
DIRECTION DE L'INFRASTRUCTURE RÉGIONALE (D.I.R.)
PROJET 625-0956/U.S.A.I.D

PAYS
MAURITANIE

PIEZOMÈTRE N° 09 18 DIA 263 HP
COORDONNÉES (MTU) X: Y:



CLASSIFICATION M.I.T.

KB1 = N/R ... cm/sec

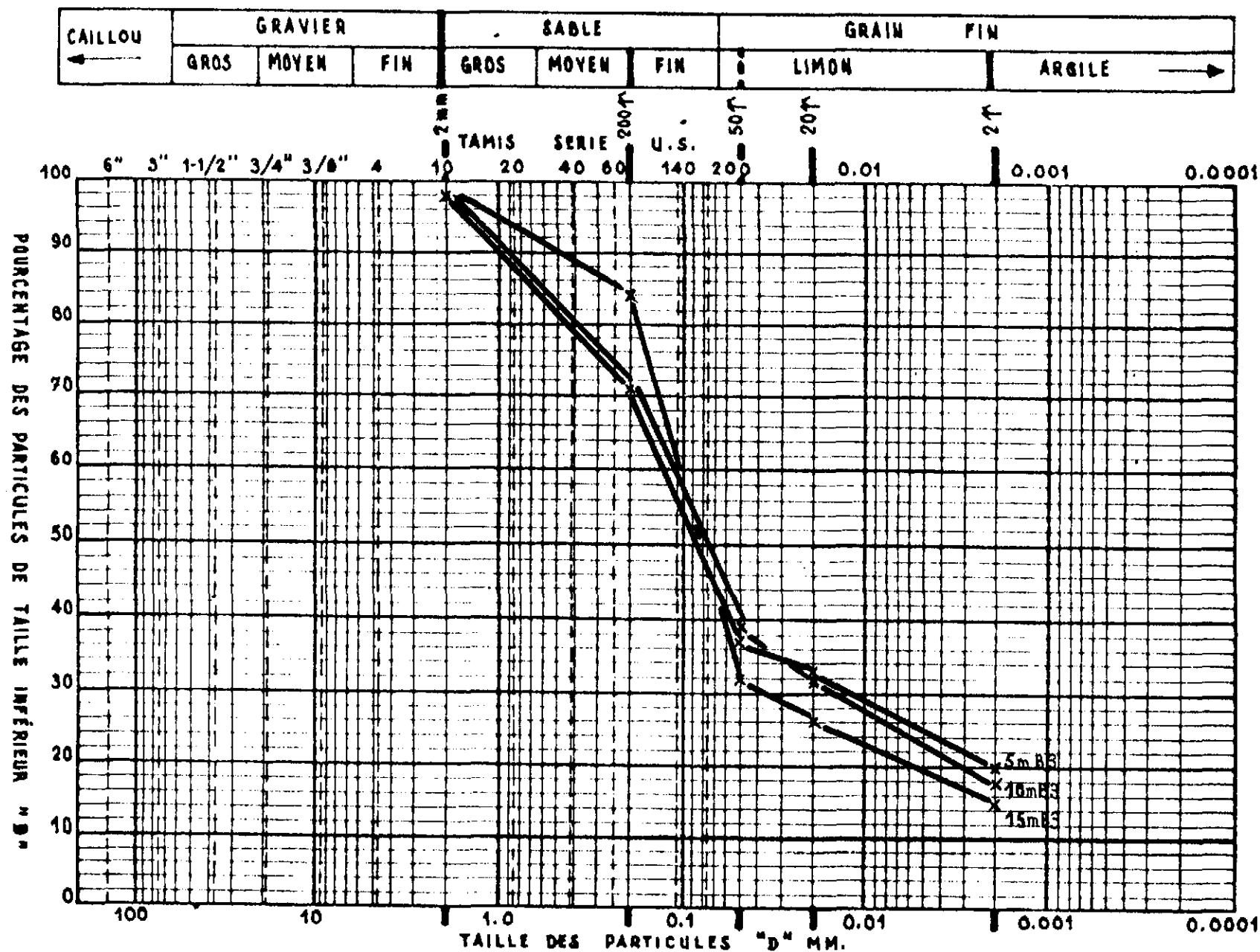
KB2 = N/A ... cm/sec

COURBES GRANULOMÉTRIQUES

TYPE D'ECHANT. : OU M

PAYS
 MAURITANIE

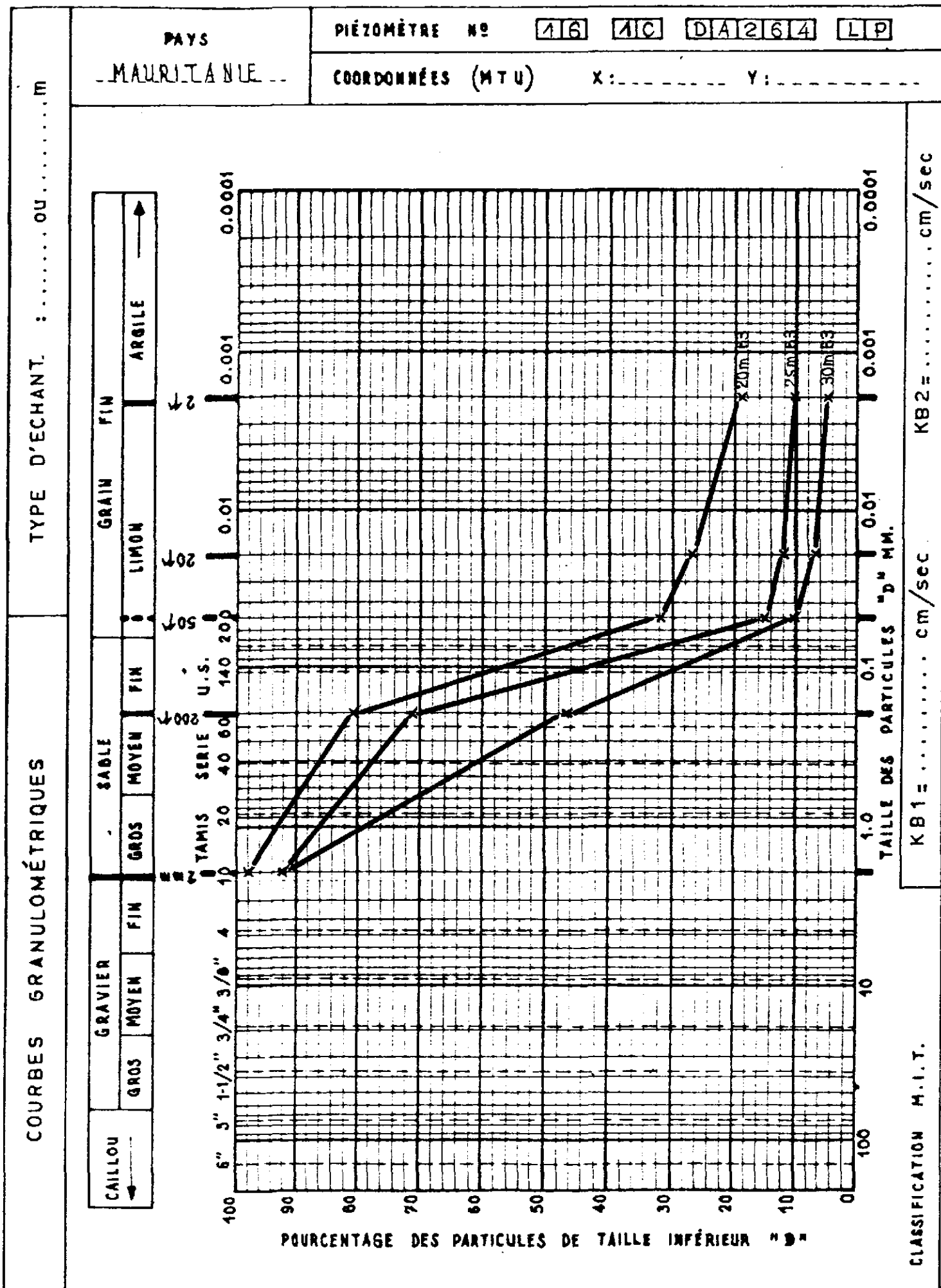
PIEZOMÈTRE N° 76 AC DA2614 LP
 COORDONNÉES (MTU) X: Y:



CLASSIFICATION M.I.T.

KB1 = cm/sec

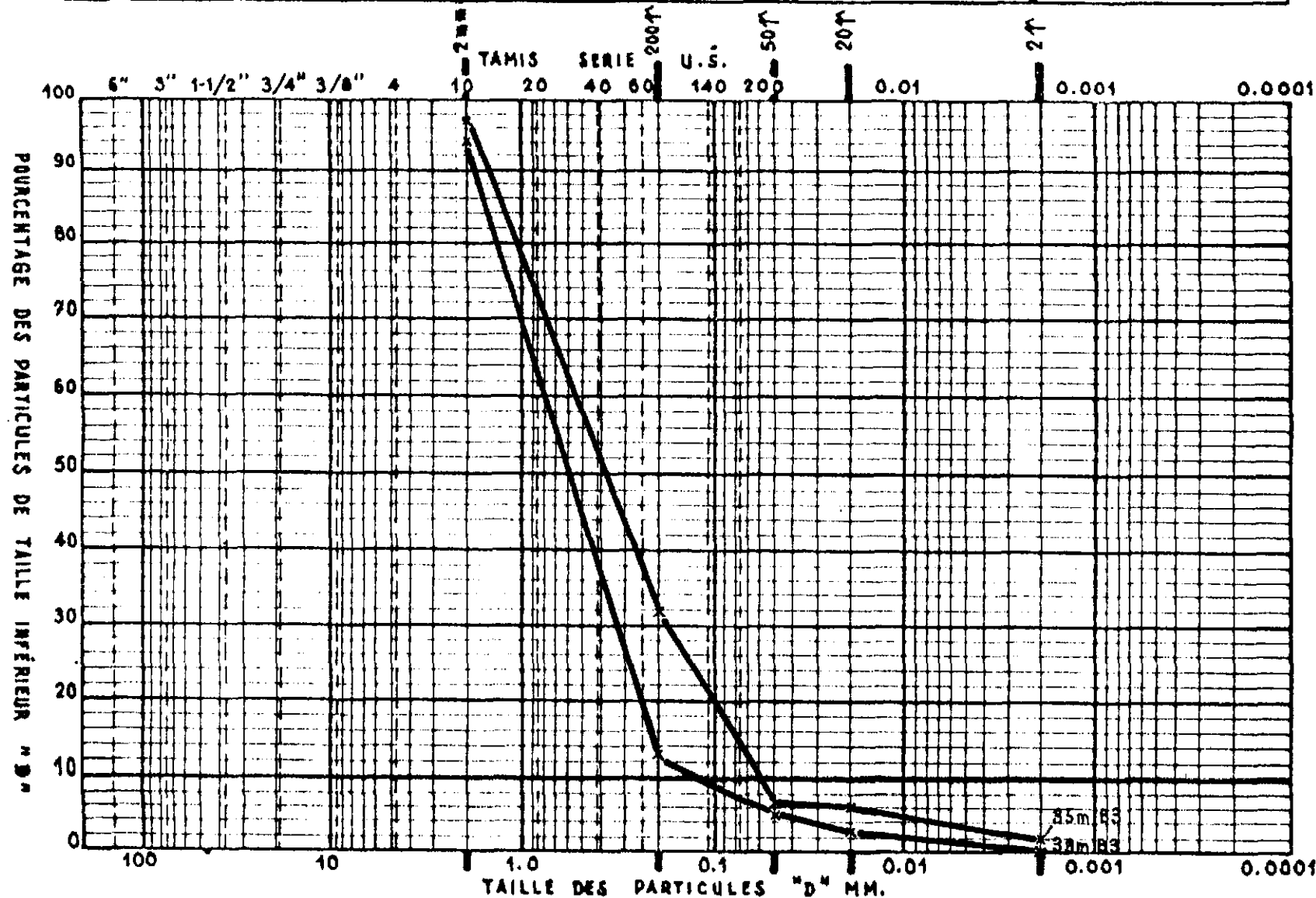
KB2 = cm/sec



COURBES GRANULOMÉTRIQUES

TYPE D'ECHANT. : OU m

CAILLON	GRAVIER			SABLE			GRAIN FIN		
	GROS	MOYEN	FIN	GROS	MOYEN	FIN	LIMON	ARGILE	



CLASSIFICATION M.I.T.

KB1 = cm/sec

KB2 = cm/sec

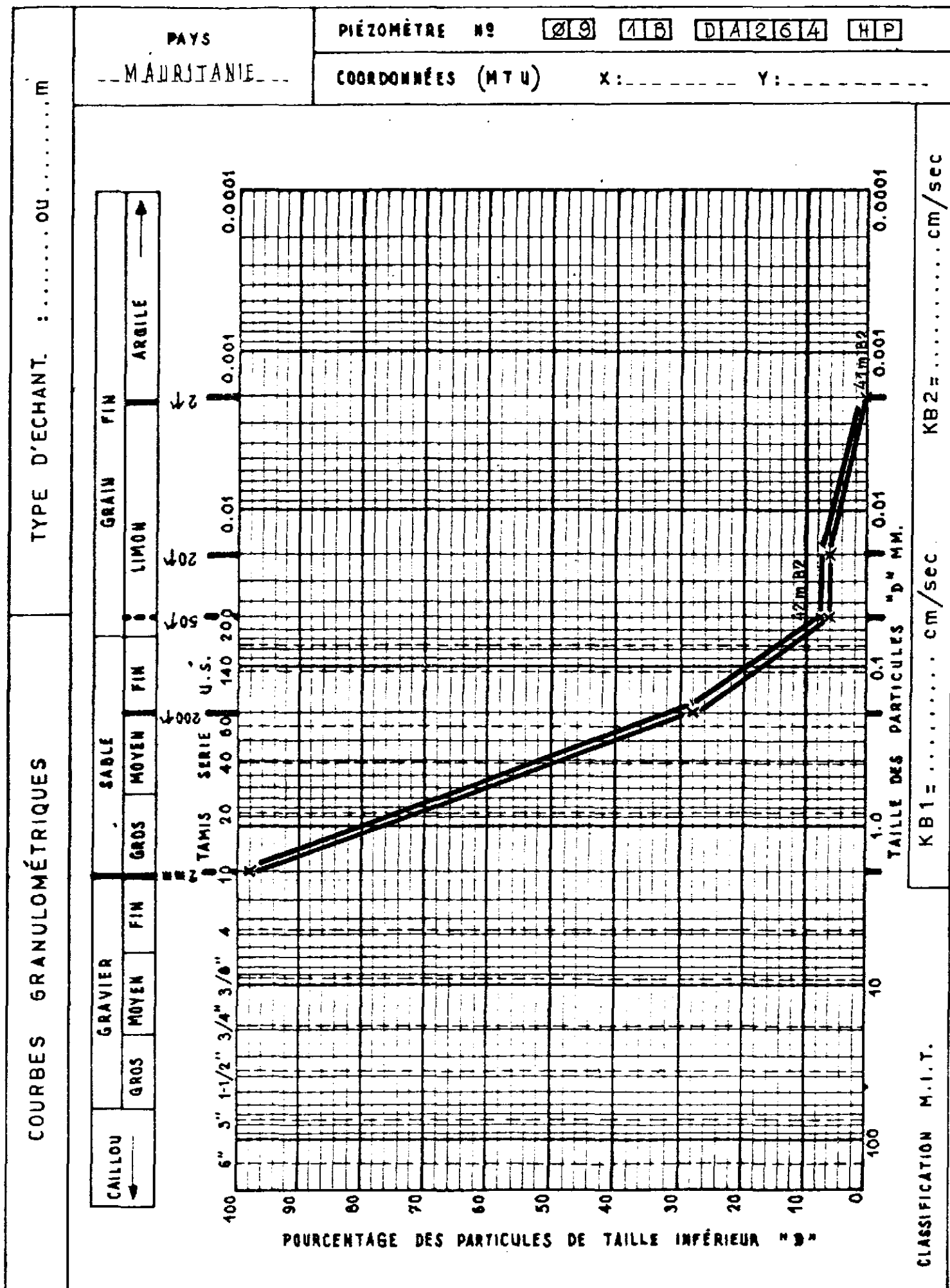
PAYS
MAURITANIE

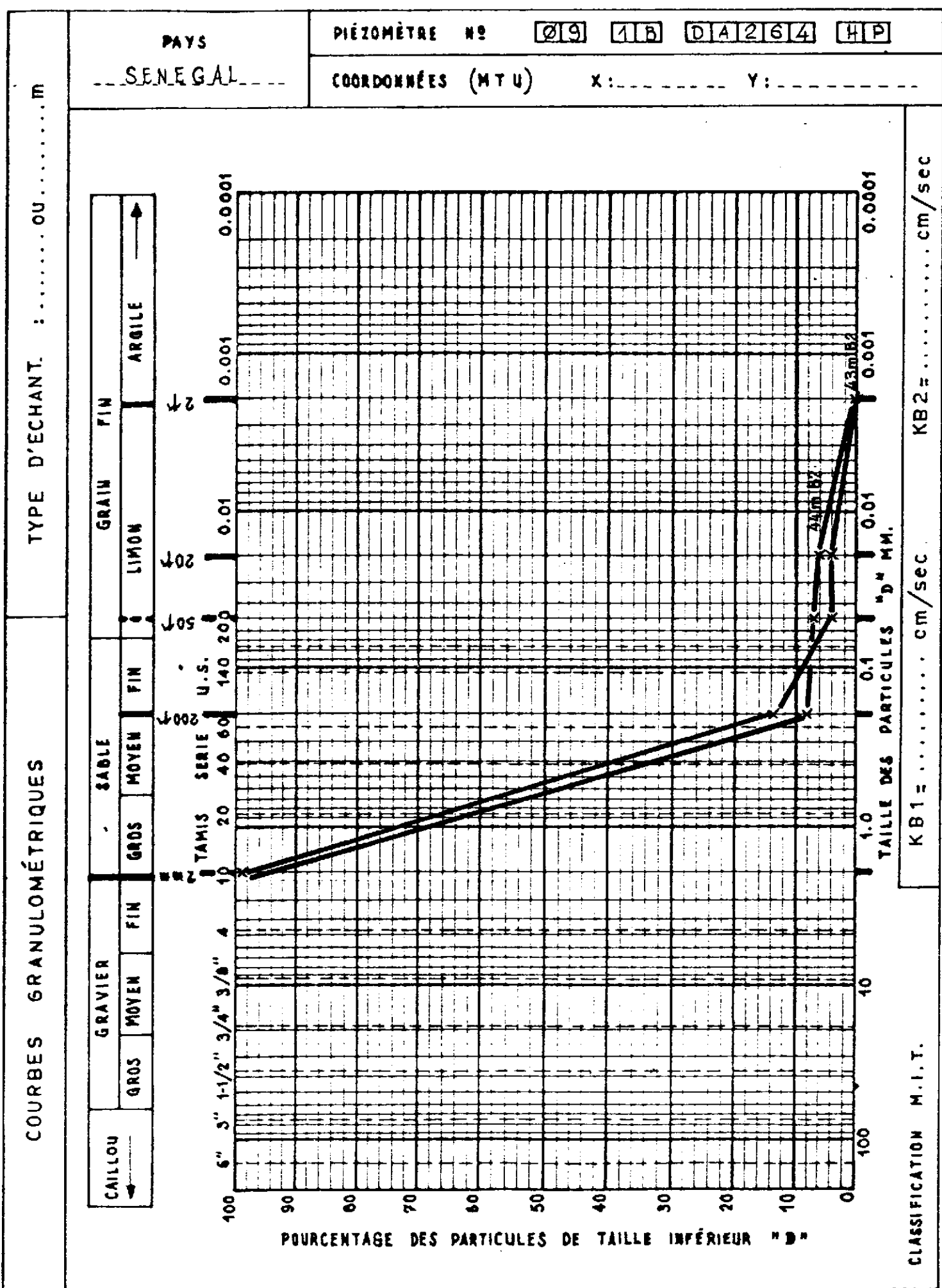
PIEZOMÈTRE N° 16 10 D1A264 LP

COORDONNÉES (MTU) X: Y:

ORGANISATION POUR LA MISE EN VALEUR DU FLEUVE SÉNÉGAL (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

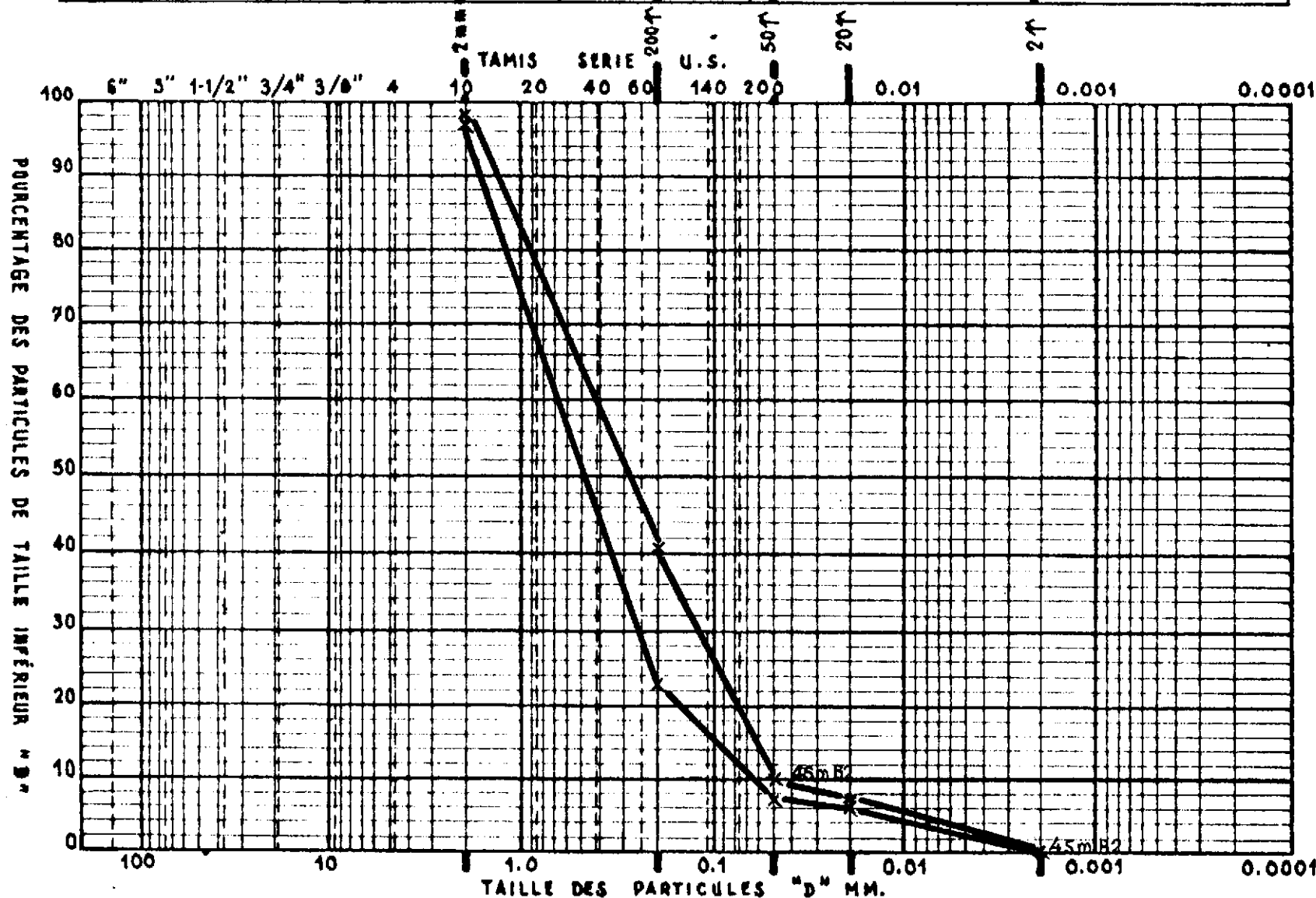




COURBES GRANULOMÉTRIQUES

TYPE D'ECHANT. : OU M

CAILLON	GRAVIER			SABLE			GRAIN FIN	
	GRS	MOYEN	FIN	GRS	MOYEN	FIN	LIMON	ARGILE



CLASSIFICATION M.I.T.

KB1 = N/R cm/sec

KB2 = 2.5×10^5 cm/sec

PAYS

MAURITANIE

PIEZOMÈTRE N°

09

18

04264

HP

COORDONNÉES (MTU)

X:

Y:

ORGANISATION POUR LA MISE EN VALEUR DU FLEUVE SÉNÉGAL (O.M.V.S.)
DIRECTION DE L'INFRASTRUCTURE RÉGIONALE (D.I.R.)
PROJET 625-0958/U.S.A.I.D.

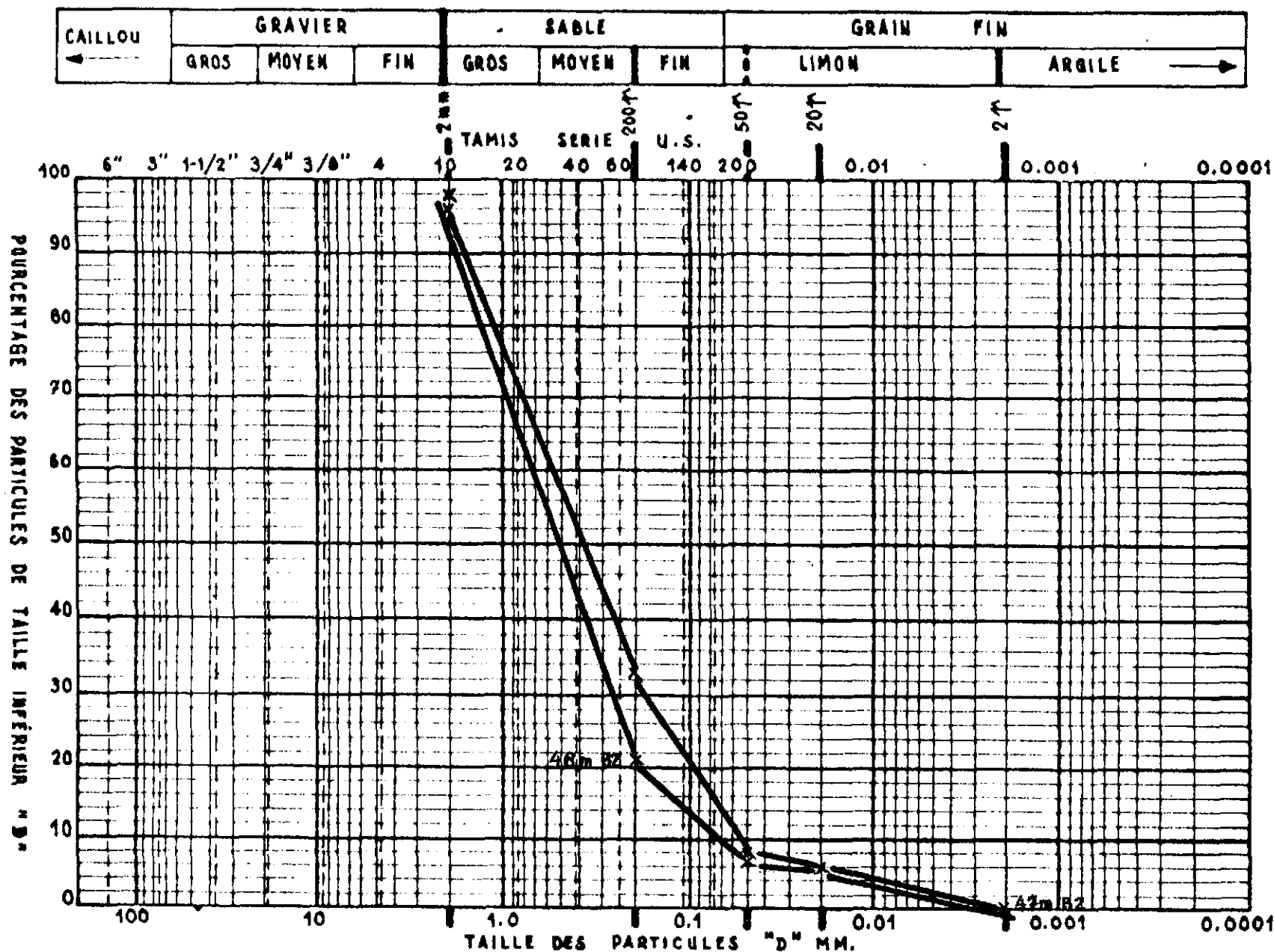
COURBES GRANULOMÉTRIQUES

TYPE D'ECHANT. : OU m

PAYS
MAURITANIE

PIEZOMÈTRE N° 09 18 D1264 HP
COORDONNÉES (MTU) X: Y:

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



CLASSIFICATION M.I.T.

KB1 = cm/sec

KB2 = cm/sec

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

09 KAEDI 1B

ANNEXE # 3

ANALYSES D'EAU

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

PROJET OMVS/USAID
625-0958

GUIDE PRATIQUE

—

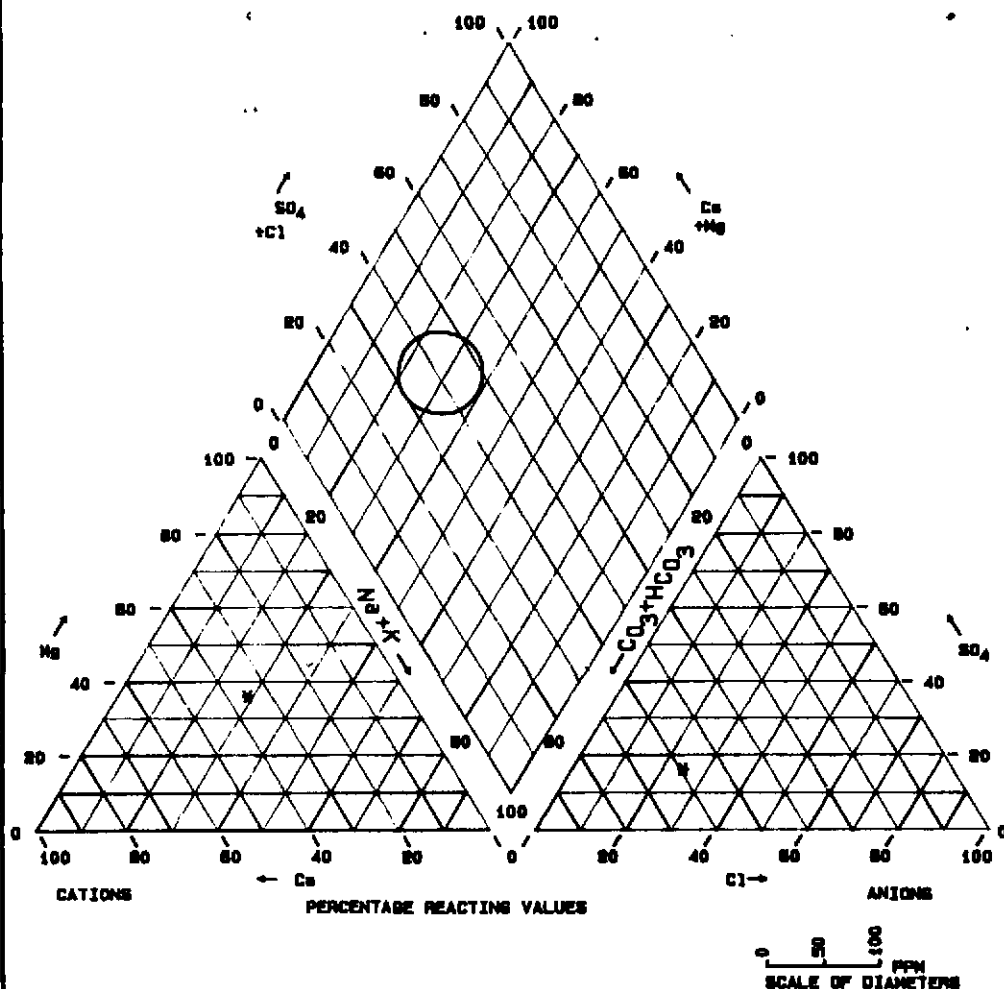
PROJET OMVS/USAID
625-0958

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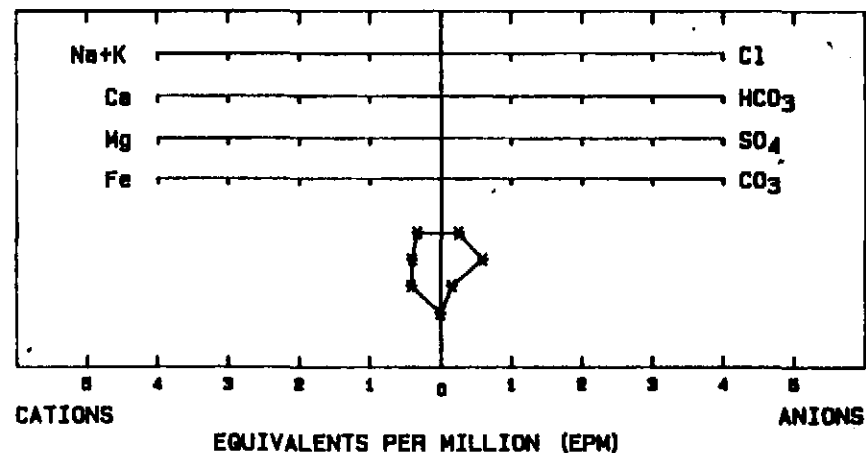
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DA264	.CHM	256	.a..	2-23-89	3:00	pm
DA265	.CHM	128	.a..	2-23-89	11:37	am
DA268	.CHM	256	.a..	2-23-89	3:23	pm
GA0315	.CHM	128	.a..	2-23-89	11:43	am
GA0318	.CHM	256	.a..	3-21-89	3:12	pm
GA0319	.CHM	256	.a..	2-23-89	12:04	pm
GA0321	.CHM	128	.a..	2-23-89	11:47	am
GB0382	.CHM	128	.a..	2-23-89	11:52	am
GB0364	.CHM	128	.a..	3-20-89	11:32	am

PIPER TRILINEAR DIAGRAM

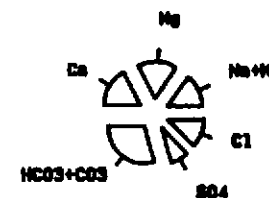


STIFF GRAPH



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: KAEDI 18

SAMPLE: DA262 02/11/87

CHEMICAL GRAPHS

USAID/DAKAR/SENEGAL

FIGURE: DA262

CHEMISTRY ANALYSIS

PROJECT: OMVS/USAID
LOCATION: KAEDI 1B

FILE: 625-0958

WELL NO.: DA262 02/11/87

CATIONS	PPM	EPM	% EPM
Ca	8.00	0.40	35.00
Mg	5.00	0.41	36.05
Na+K	8.00	0.33	28.94

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

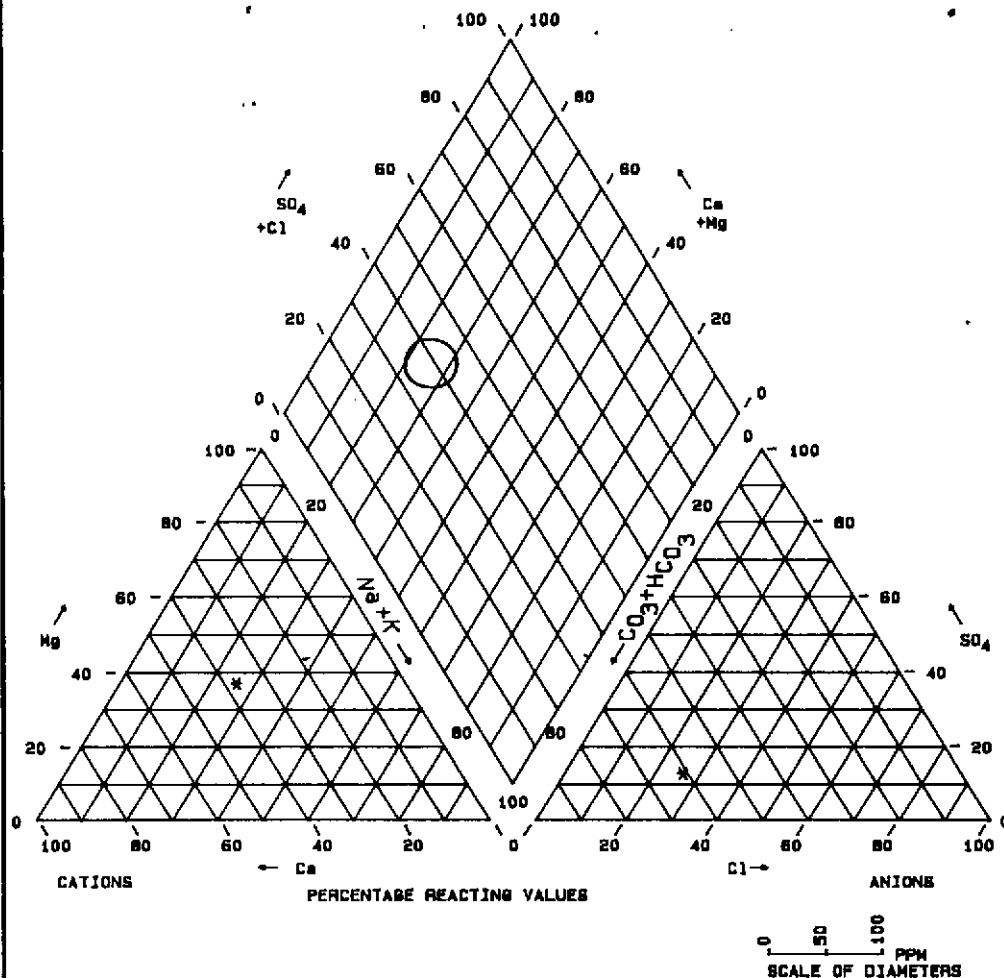
TOTAL DISSOLVED SOLIDS: 130

ERROR IN CATION/ANION BALANCE: 5.56 %

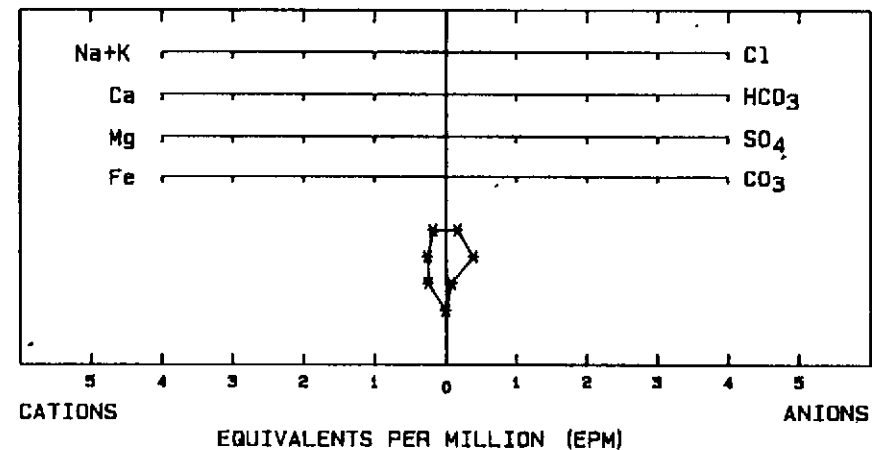
SODIUM ABSORPTION RATION (S.A.R.): 0.48

USAID/DAKAR/SENEGAL

PIPER TRILINEAR DIAGRAM

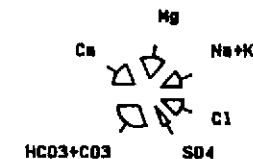


STIFF GRAPH



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: KAEDI 1B

SAMPLE: DA264 01/11/87

CHEMICAL GRAPHS

USAID/DAKAR/SENEGAL

FIGURE: DA264

CHEMISTRY ANALYSIS

PROJECT: DMVS/USAID
LOCATION: KAEDI 1B

FILE: 625-0958

WELL NO.: DA264 01/11/87

CATIONS	PPM	EPM	% EPM
Ca	5.00	0.25	37.23
Mg	3.00	0.25	36.81
Na+K	4.00	0.17	25.96

ANIONS	PPM	EPM	% EPM
HCO3+CO3	24.00	0.39	60.91
SO4	4.00	0.08	12.89
Cl	6.00	0.17	26.20

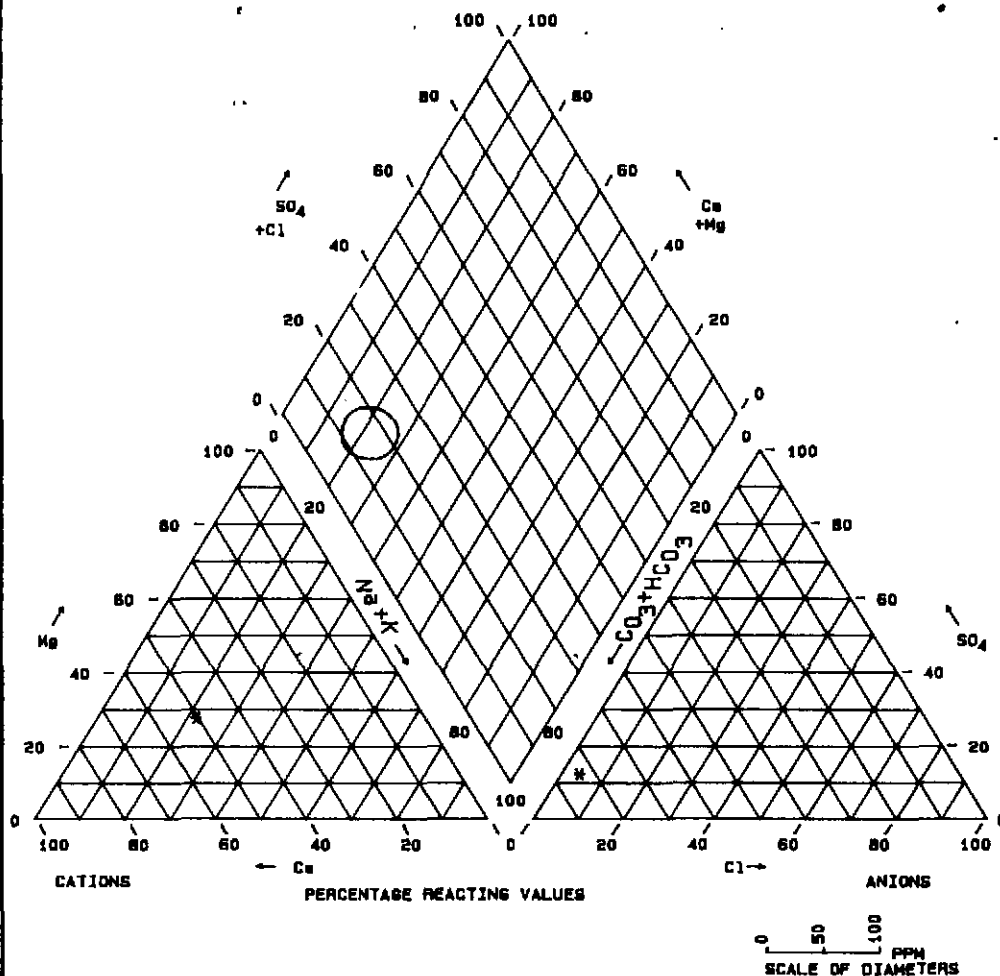
TOTAL DISSOLVED SOLIDS: 35

ERROR IN CATION/ANION BALANCE: 2.09 %

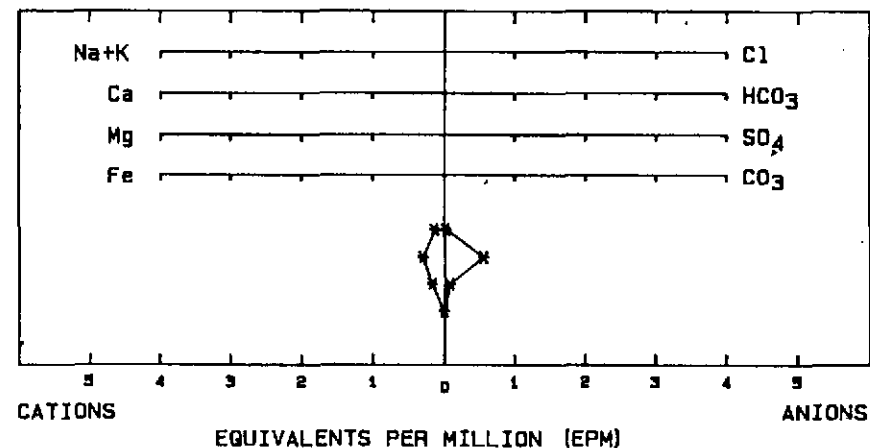
SODIUM ABSORPTION RATION (S.A.R.): 0.35

USAID/DAKAR/SENEGAL

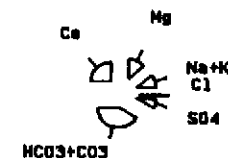
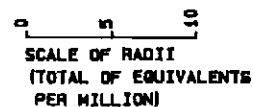
PIPER TRILINEAR DIAGRAM



STIFF GRAPH



PIE DIAGRAM



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

PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: KAEDI 1B

SAMPLE: DA264 09/02/88

CHEMICAL GRAPHS

USAID/DAKAR/SENEGAL

FIGURE: DA264

CHEMISTRY ANALYSIS

PROJECT: OMVS/USAID

FILE: 625-0958

LOCATION: KAEDI 1B

WELL NO.: DA264 09/02/88

CATIONS	PPM	EPM	% EPM
Ca	6.00	0.30	50.37
Mg	2.00	0.16	27.67
Na+K	3.00	0.13	21.96

ANIONS	PPM	EPM	% EPM
HCO3+CO3	34.00	0.56	83.33
SO4	4.00	0.08	12.45
Cl	1.00	0.03	4.22

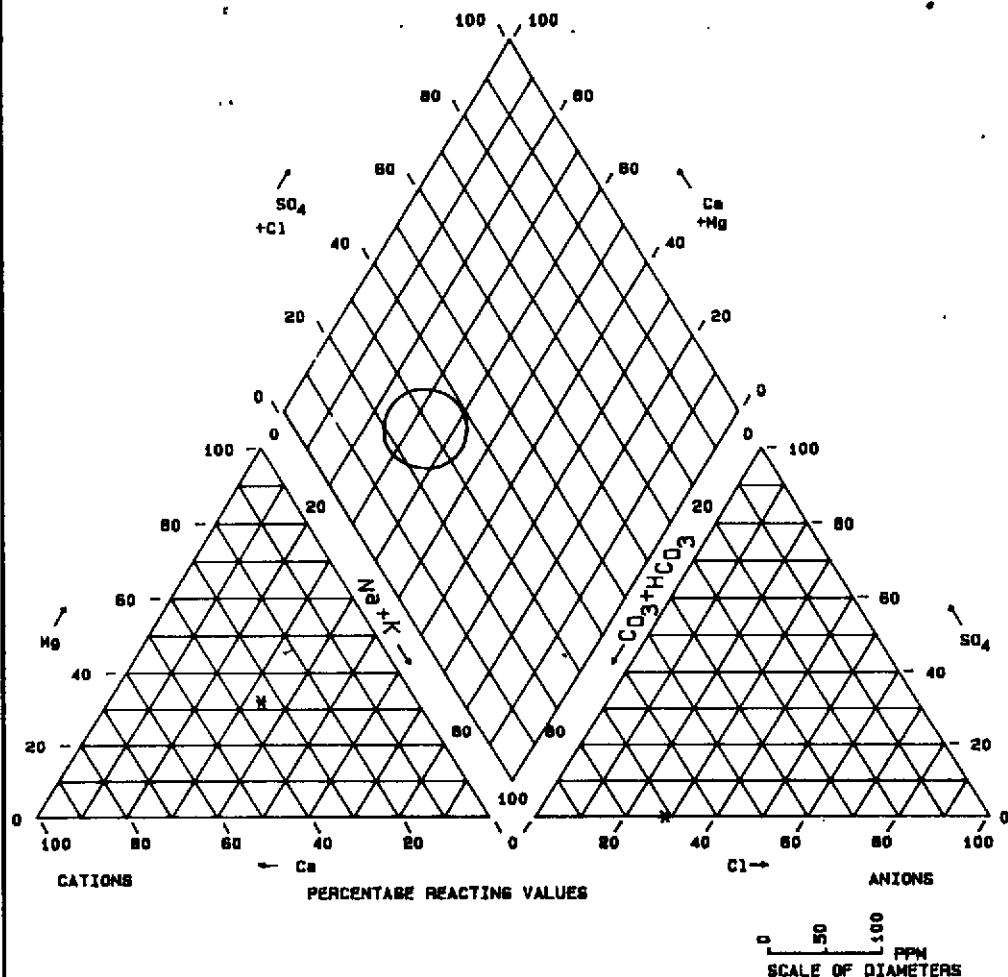
TOTAL DISSOLVED SOLIDS: 50

ERROR IN CATION/ANION BALANCE: 5.89 %

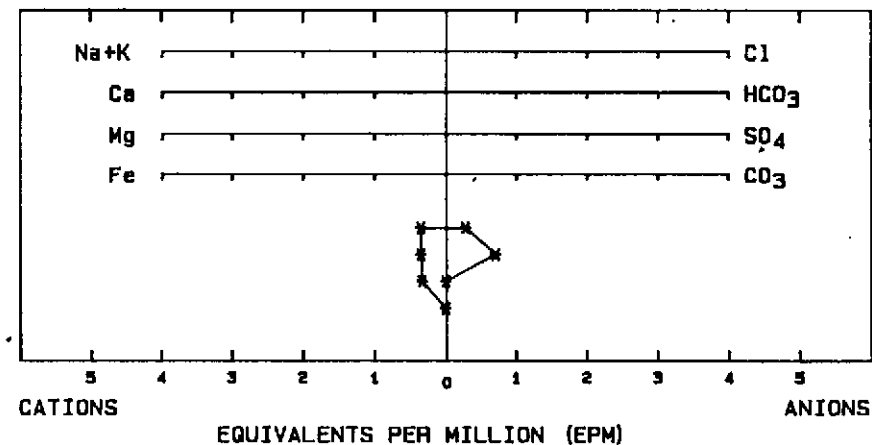
SODIUM ABSORPTION RATION (S.A.R.): 0.27

USAID/DAKAR/SENEGAL

PIPER TRILINEAR DIAGRAM

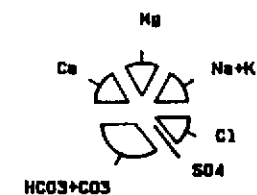


STIFF GRAPH



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: KAEDI 18

SAMPLE: DA265 03/11/87

CHEMICAL GRAPHS

USAID/DAKAR/SENEGAL

FIGURE: DA265

CHEMISTRY ANALYSIS

PROJECT: OMVS/USAID
LOCATION: KAEDI 1B

FILE: 625-0958

WELL NO.: DA265 03/11/87

CATIONS	PPM	EPM	% EPM
Ca	7.00	0.35	34.12
Mg	4.00	0.33	32.14
Na+K	10.00	0.35	33.74

ANIONS	PPM	EPM	% EPM
HCO3+CO3	43.00	0.70	71.42
SO4	0.00	0.00	0.00
Cl	10.00	0.28	28.58

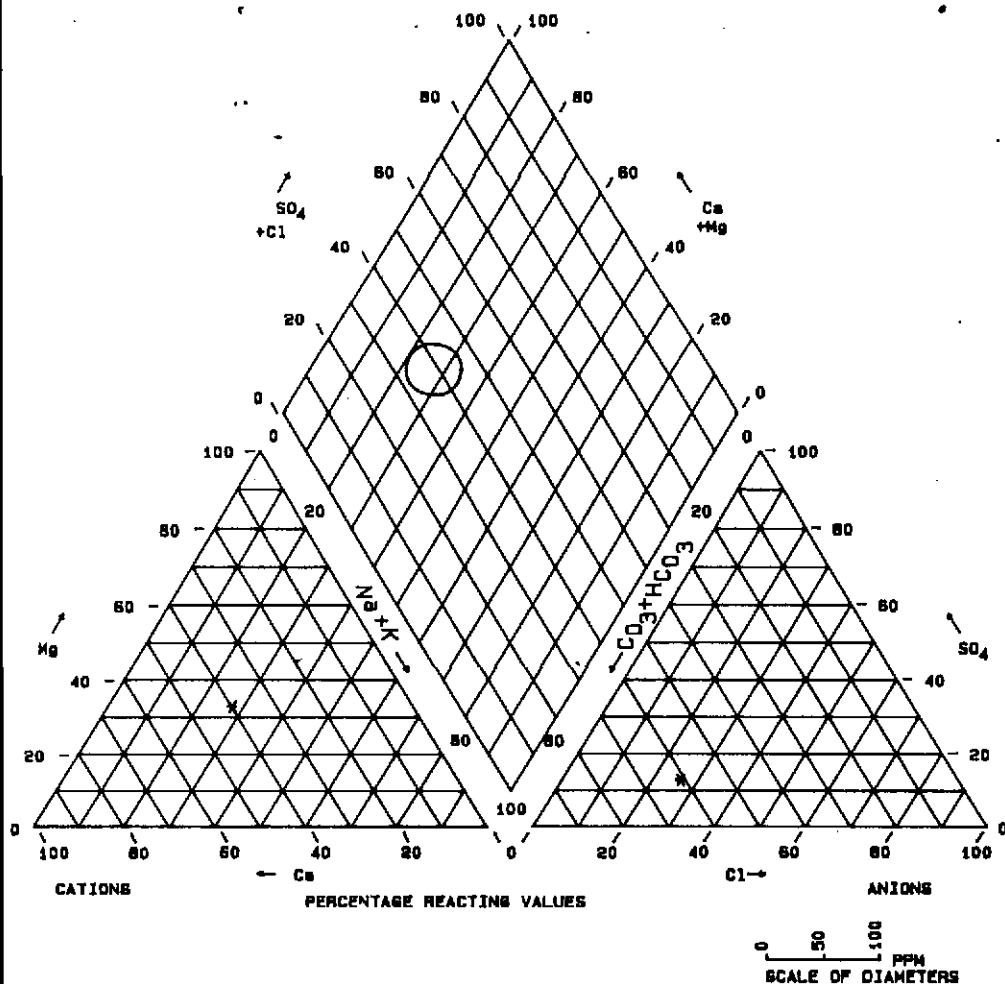
TOTAL DISSOLVED SOLIDS: 150

ERROR IN CATION/ANION BALANCE: 2.11 %

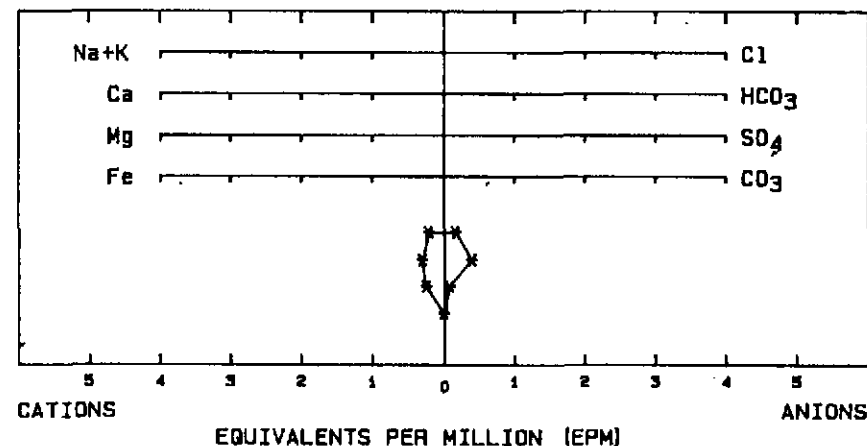
SODIUM ABSORPTION RATION (S.A.R.): 0.37

USAID/DAKAR/SENEGAL

PIPER TRILINEAR DIAGRAM

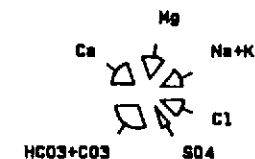


STIFF GRAPH



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: KAEDI 1B

SAMPLE: DA268 03/11/87

CHEMICAL GRAPHS

USAID/DAKAR/SENEGAL

FIGURE: DA268

CHEMISTRY ANALYSIS

PROJECT: OMVS/USAID
LOCATION: KAEDI 1B

FILE: 625-0958

WELL NO.: DA268 03/11/87

CATIONS	PPM	EPM	% EPM
Ca	6.00	0.30	39.74
Mg	3.00	0.25	32.75
Na+K	6.00	0.21	27.51

ANIONS	PPM	EPM	% EPM
HCO3+CO3	24.00	0.39	60.91
SO4	4.00	0.08	12.89
Cl	6.00	0.17	26.20

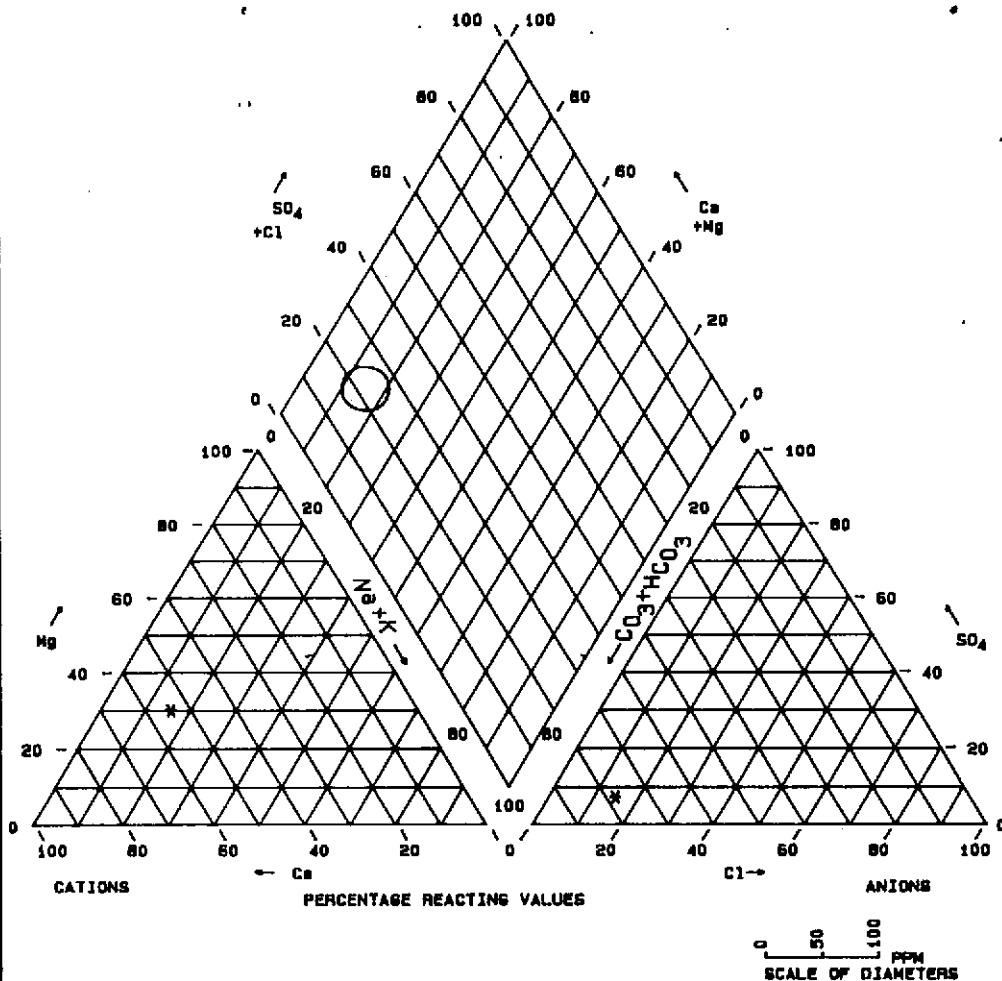
TOTAL DISSOLVED SOLIDS: 70

ERROR IN CATION/ANION BALANCE: 7.94 %

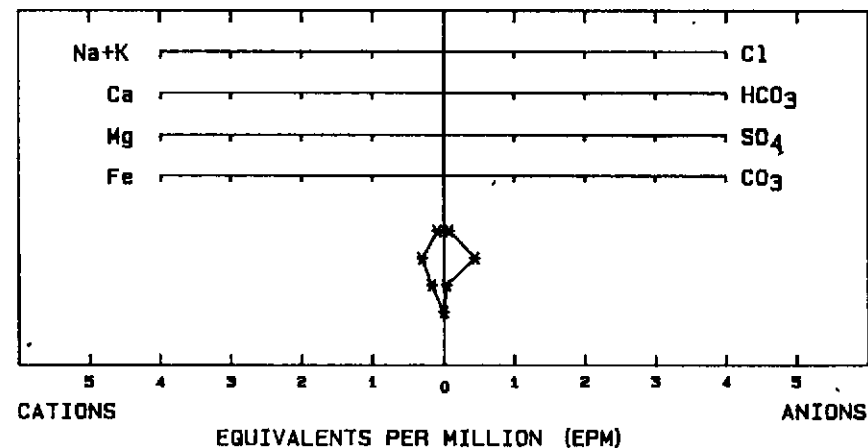
SODIUM ABSORPTION RATION (S.A.R.): 0.25

USAID/DAKAR/SENEGAL

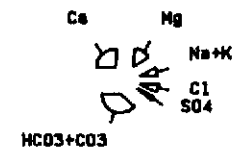
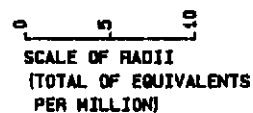
PIPER TRILINEAR DIAGRAM



STIFF GRAPH



PIE DIAGRAM



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

PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: KAEDI 1B

SAMPLE: DA268 15/02/88

CHEMICAL GRAPHS

USAID/DAKAR/SENEGAL

FIGURE: DA268

CHEMISTRY ANALYSIS

PROJECT: OMVS/USAID
LOCATION: KAEDI 1B

FILE: 625-0958

WELL NO.: DA268 15/02/88

CATIONS	PPM	EPM	% EPM
Ca	6.00	0.30	54.35
Mg	2.00	0.16	29.86
Na+K	2.00	0.09	15.79

ANIONS	PPM	EPM	% EPM
HCO3+CO3	27.00	0.44	77.80
SO4	2.00	0.04	7.32
Cl	3.00	0.08	14.87

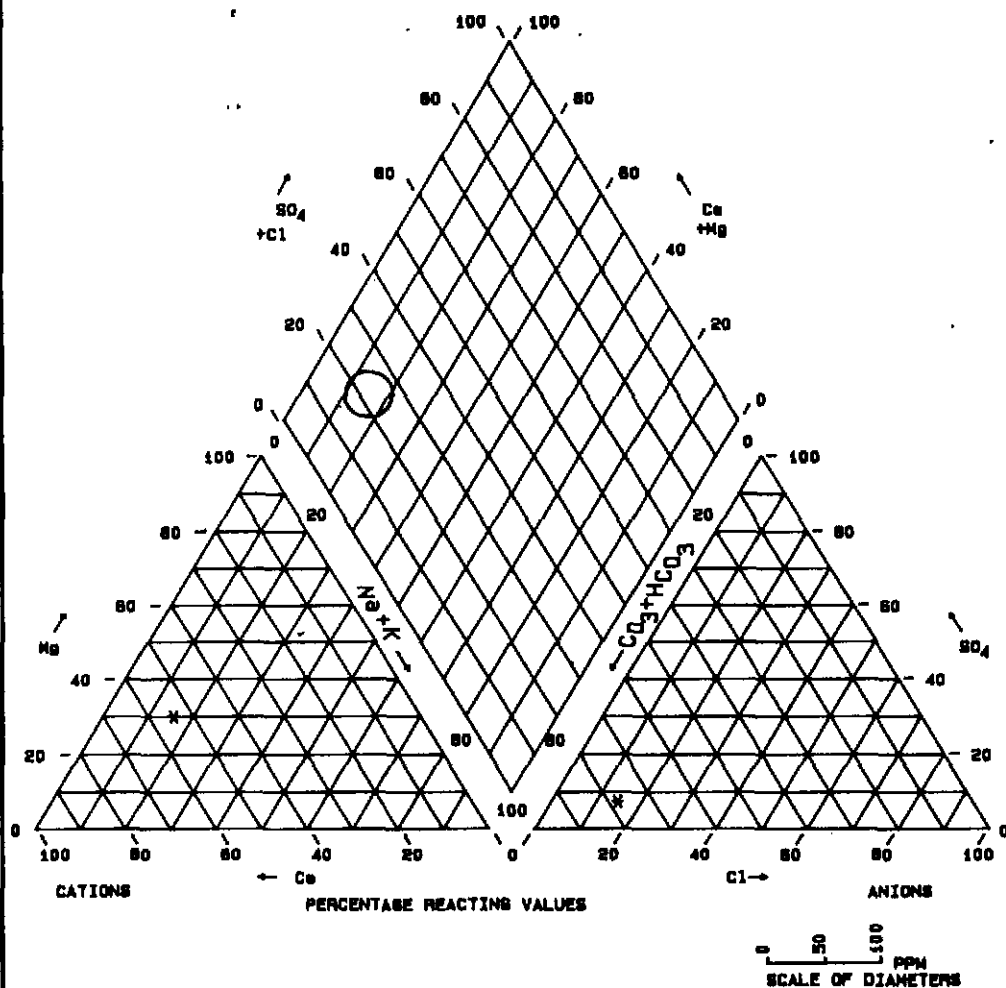
TOTAL DISSOLVED SOLIDS: 35

ERROR IN CATION/ANION BALANCE: 1.60 %

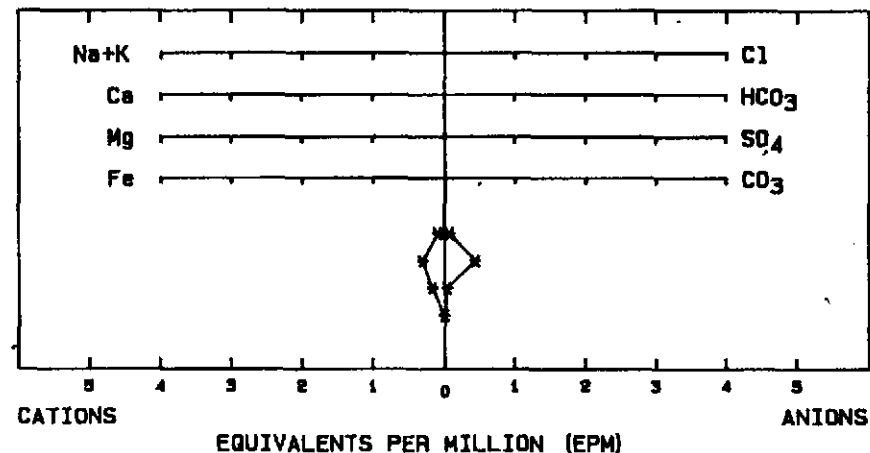
SODIUM ABSORPTION RATION (S.A.R.): 0.18

USAID/DAKAR/SENEGAL

PIPER TRILINEAR DIAGRAM

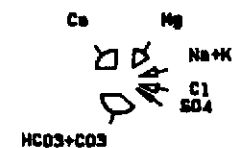


STIFF GRAPH



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: KAEDI IB

SAMPLE: DA268 16/02/88

CHEMICAL GRAPHS

USAID/DAKAR/SENEGAL

FIGURE: DA268

CHEMISTRY ANALYSIS

PROJECT: OMVS/USAID
LOCATION: KAEDI 1B

FILE: 625-0958

WELL NO.: DA268 16/02/88

CATIONS	PPM	EPM	% EPM
Ca	6.00	0.30	54.35
Mg	2.00	0.16	29.86
Na+K	2.00	0.09	15.79

ANIONS	PPM	EPM	% EPM
HCO3+CO3	27.00	0.44	77.80
SO4	2.00	0.04	7.32
Cl	3.00	0.08	14.87

TOTAL DISSOLVED SOLIDS: 40

ERROR IN CATION/ANION BALANCE: 1.60 %

SODIUM ABSORPTION RATION (S.A.R.): 0.18

USAID/DAKAR/SENEGAL

CHEMISTRY ANALYSIS

PROJECT: OMVS/USAID

FILE: 625-0958

LOCATION: KAEDI 1B

WELL NO.: GA0315 15/03/88

CATIONS	PPM	EPM	X EPM
Ca	6.00	0.30	11.81
Mg	5.00	0.41	16.22
Na+K	44.00	1.82	71.97

ANIONS	PPM	EPM	X EPM
HCO3+CO3	98.00	1.61	82.03
SO4	2.00	0.04	2.13
Cl	11.00	0.31	15.84

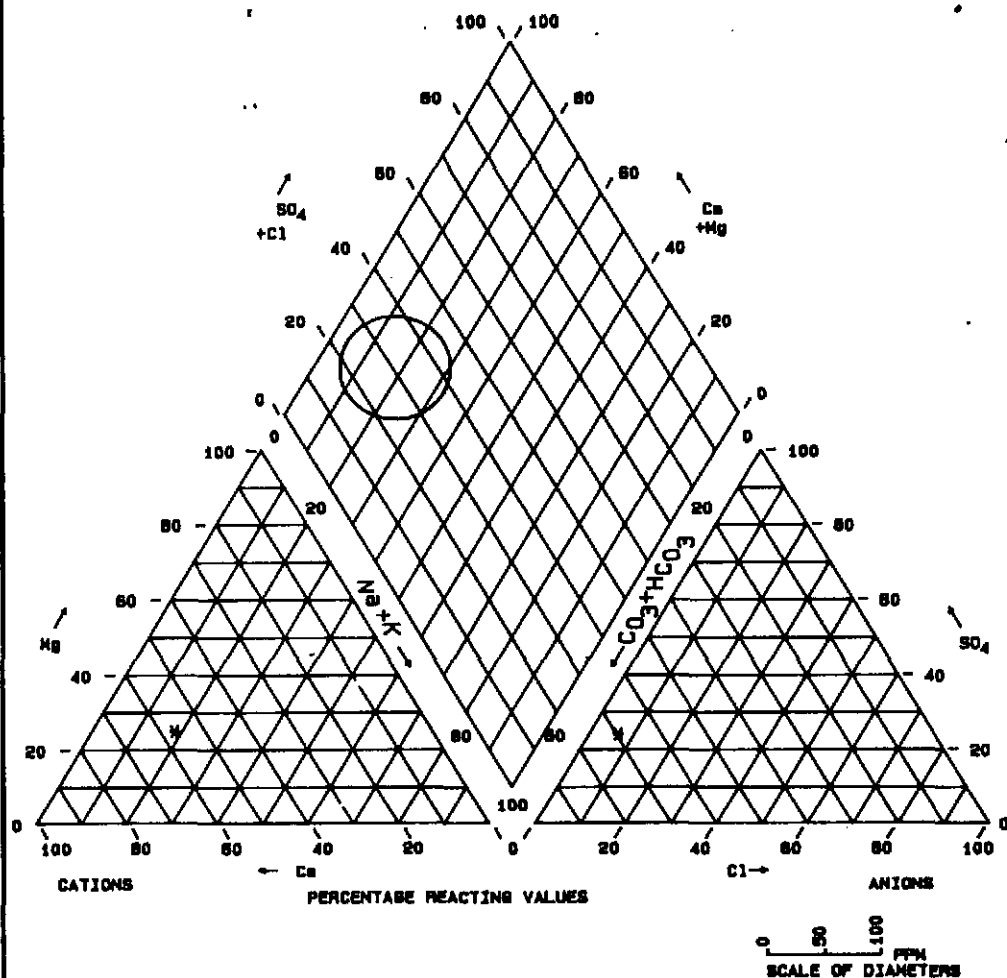
TOTAL DISSOLVED SOLIDS: 220

ERROR IN CATION/ANION BALANCE: 12.84 %

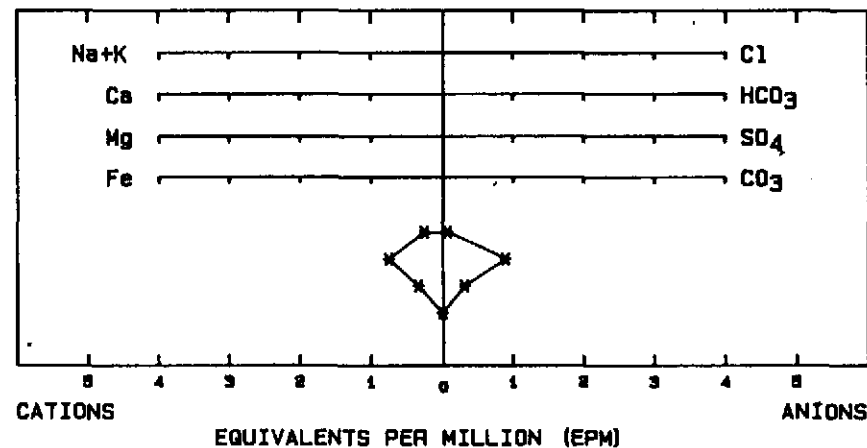
SODIUM ABSORPTION RATION (S.A.R.): 2.85

USAID/DAKAR/SENEGAL

PIPER TRILINEAR DIAGRAM

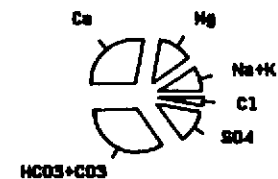


STIFF GRAPH



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: KAEI 18

SAMPLE: GA0318 15/03/88

CHEMICAL GRAPHS

USAID/DAKAR/SENEGAL

FIGURE: GA0318

CHEMISTRY ANALYSIS

PROJECT: OMVS/USAID
LOCATION: KAEDI 18

FILE: 625-0958

WELL NO.: GA0318 15/03/88

CATIONS	PPM	EPM	% EPM
Ca	15.00	0.75	56.68
Mg	4.00	0.33	24.91
Na+K	6.00	0.24	18.41

ANIONS	PPM	EPM	% EPM
HCO3+CO3	55.00	0.90	69.43
SO4	15.00	0.31	24.05
Cl	3.00	0.08	6.52

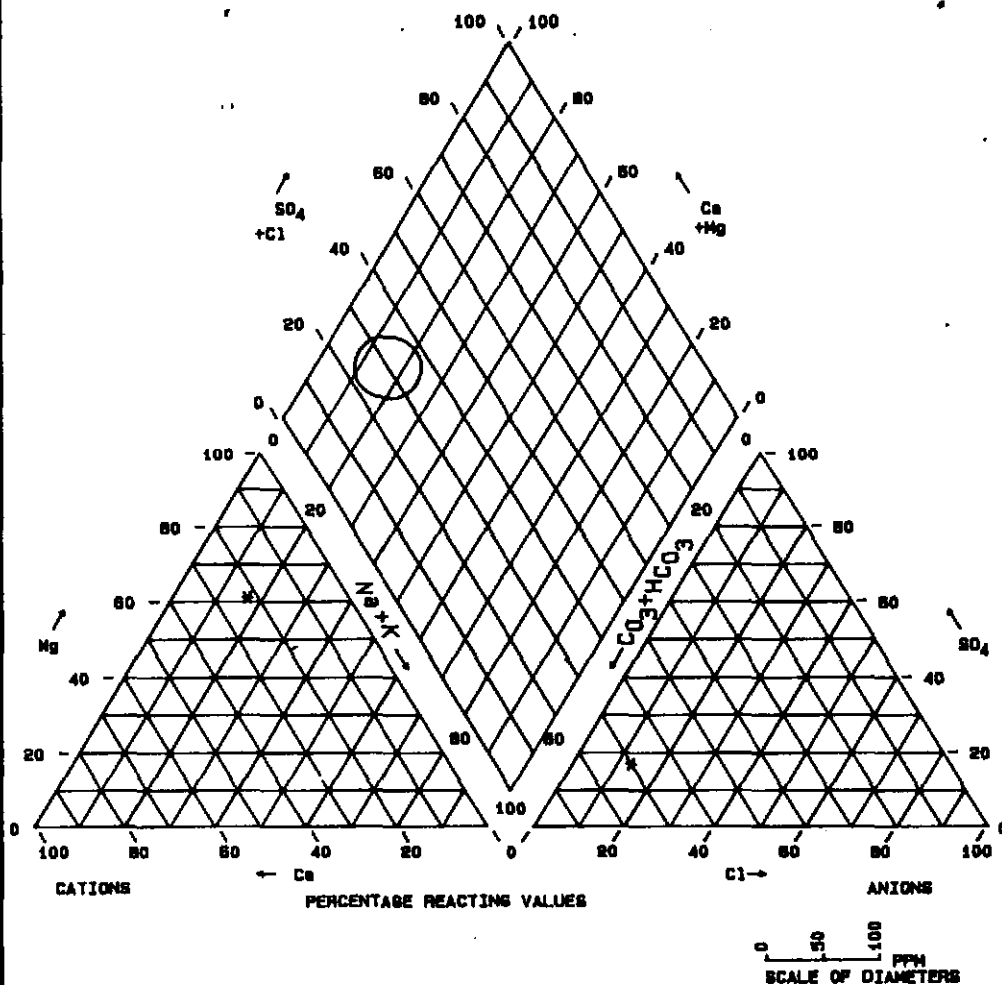
TOTAL DISSOLVED SOLIDS: 85

ERROR IN CATION/ANION BALANCE: 0.85 %

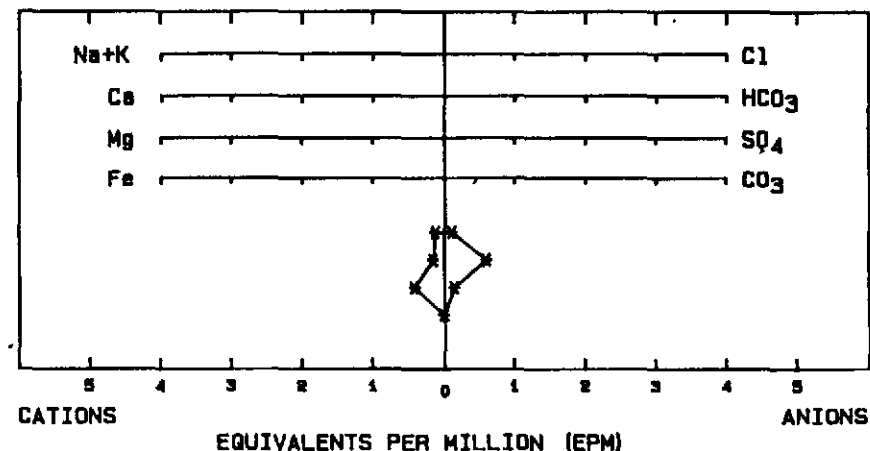
SODIUM ABSORPTION RATION (S.A.R.): 0.30

USAID/DAKAR/SENEGAL

PIPER TRILINEAR DIAGRAM

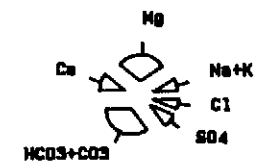


STIFF GRAPH



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: KAEDI IB

SAMPLE: GA0318 09/07/88

CHEMICAL GRAPHS

USAID/DAKAR/SENEGAL

FIGURE: GA0318

CHEMISTRY ANALYSIS

PROJECT: OMVS/USAID
LOCATION: KAEDI 1B

FILE: 625-0958

WELL NO.: GA0318 09/07/88

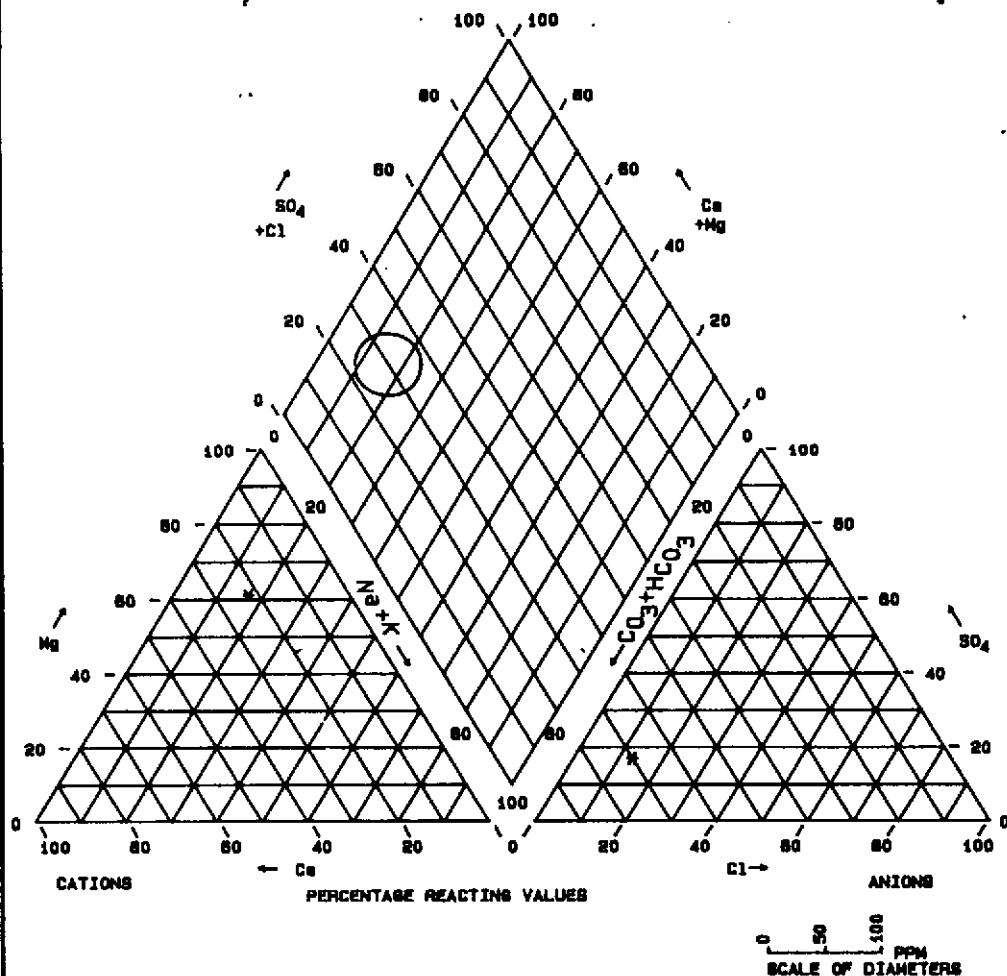
CATIONS	PPM	EPM	X EPM
Ca	3.00	0.15	22.23
Mg	5.00	0.41	61.06
Na+K	3.00	0.11	16.72

ANIONS	PPM	EPM	X EPM
HCO3+CO3	37.00	0.61	70.11
SO4	7.00	0.15	16.85
Cl	4.00	0.11	13.04

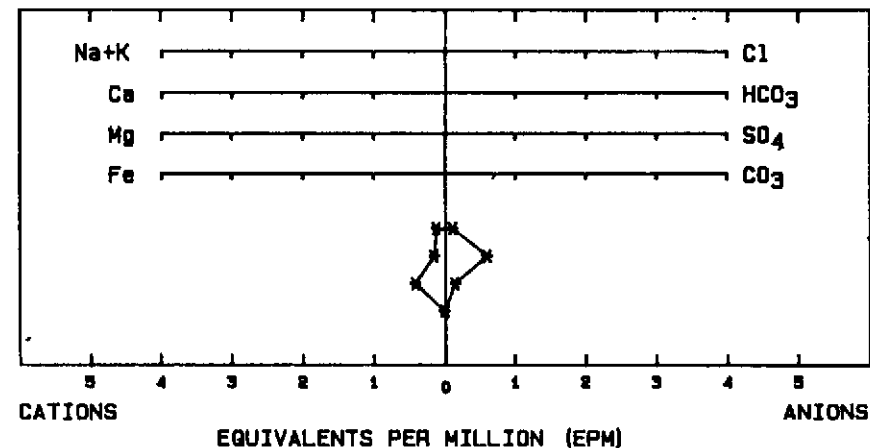
TOTAL DISSOLVED SOLIDS: 100
ERROR IN CATION/ANION BALANCE: 12.39 %
SODIUM ABSORPTION RATION (S.A.R.): 0.16

USAID/DAKAR/SENEGAL

PIPER TRILINEAR DIAGRAM

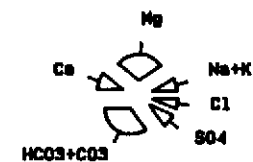


STIFF GRAPH



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: KAEDI 18

SAMPLE: GA0318 10/07/88

CHEMICAL GRAPHS

USAID/DAKAR/SENEGAL

FIGURE: GA0318

CHEMISTRY ANALYSIS

PROJECT: OMVS/USAID
LOCATION: KAEDI 1B

FILE: 625-0958

WELL NO.: GA0318 10/07/88

CATIONS	PPM	EPM	% EPM
Ca	3.00	0.15	22.23
Mg	5.00	0.41	61.06
Na+K	3.00	0.11	16.72

ANIONS	PPM	EPM	% EPM
HCO3+CO3	37.00	0.61	70.11
SO4	7.00	0.15	16.85
Cl	4.00	0.11	13.04

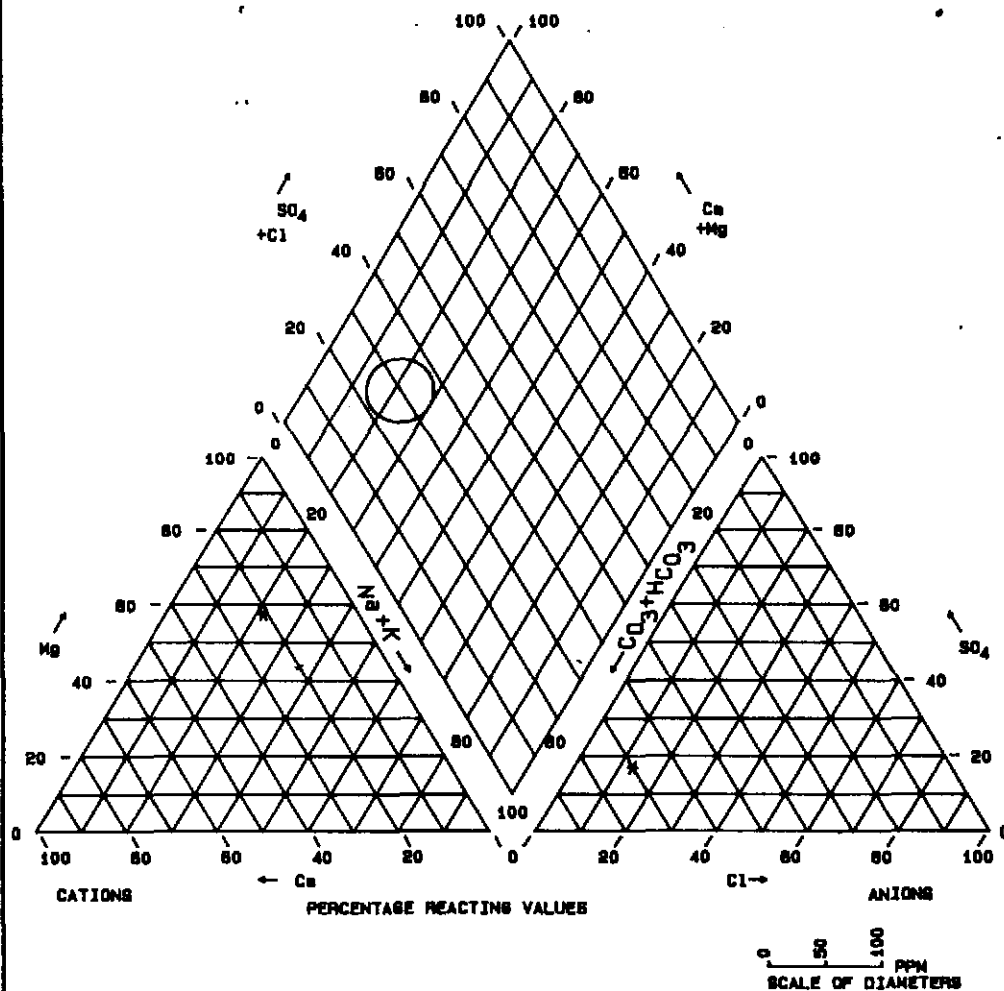
TOTAL DISSOLVED SOLIDS: 100

ERROR IN CATION/ANION BALANCE: 12.39 %

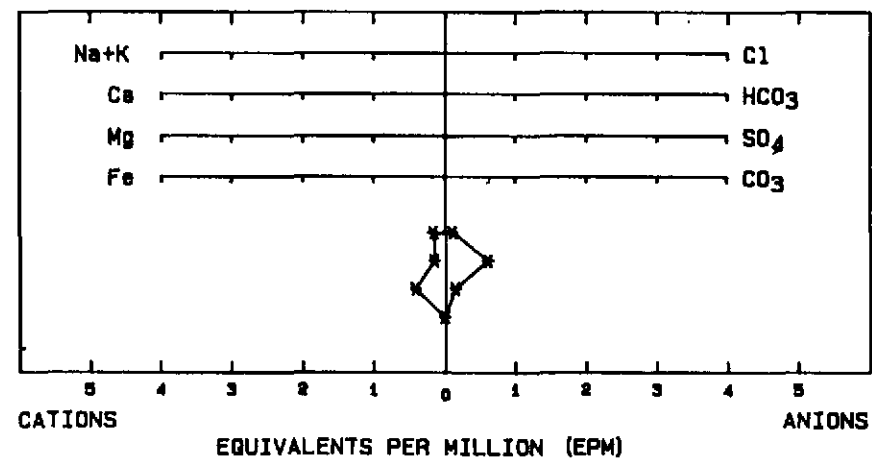
SODIUM ABSORPTION RATION (S.A.R.): 0.16

USAID/DAKAR/SENEGAL

PIPER TRILINEAR DIAGRAM

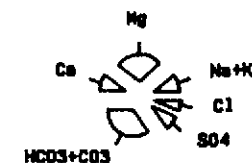


STIFF GRAPH



PIE DIAGRAM

SCALE OF RADII
(TOTAL OF EQUIVALENTS
PER MILLION)



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

PROJECT: OMYS/USAID
FILE: 625-0958
LOCATION: KAEDI 1B

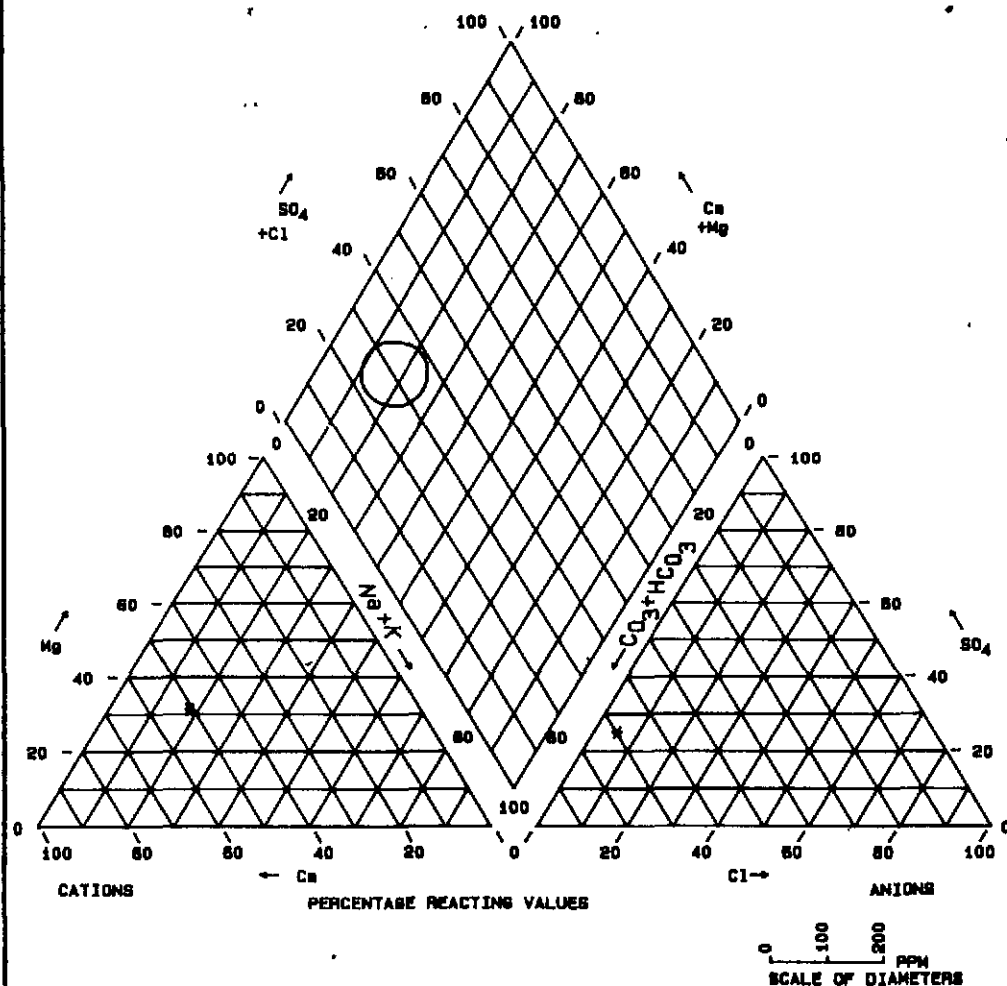
SAMPLE: 6A0318 07/07/88

CHEMICAL GRAPHS

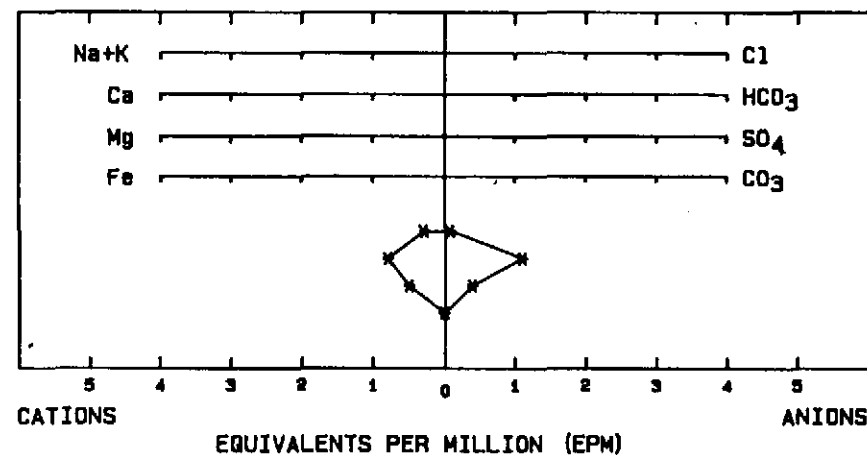
USAID/DAKAR/SENEGAL

FIGURE: GA0318

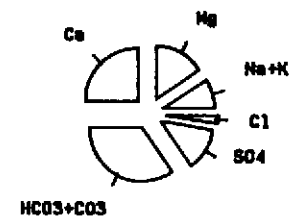
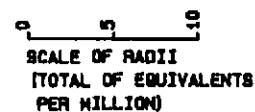
PIPER TRILINEAR DIAGRAM



STIFF GRAPH



PIE DIAGRAM



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

PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: KAEDI 1B

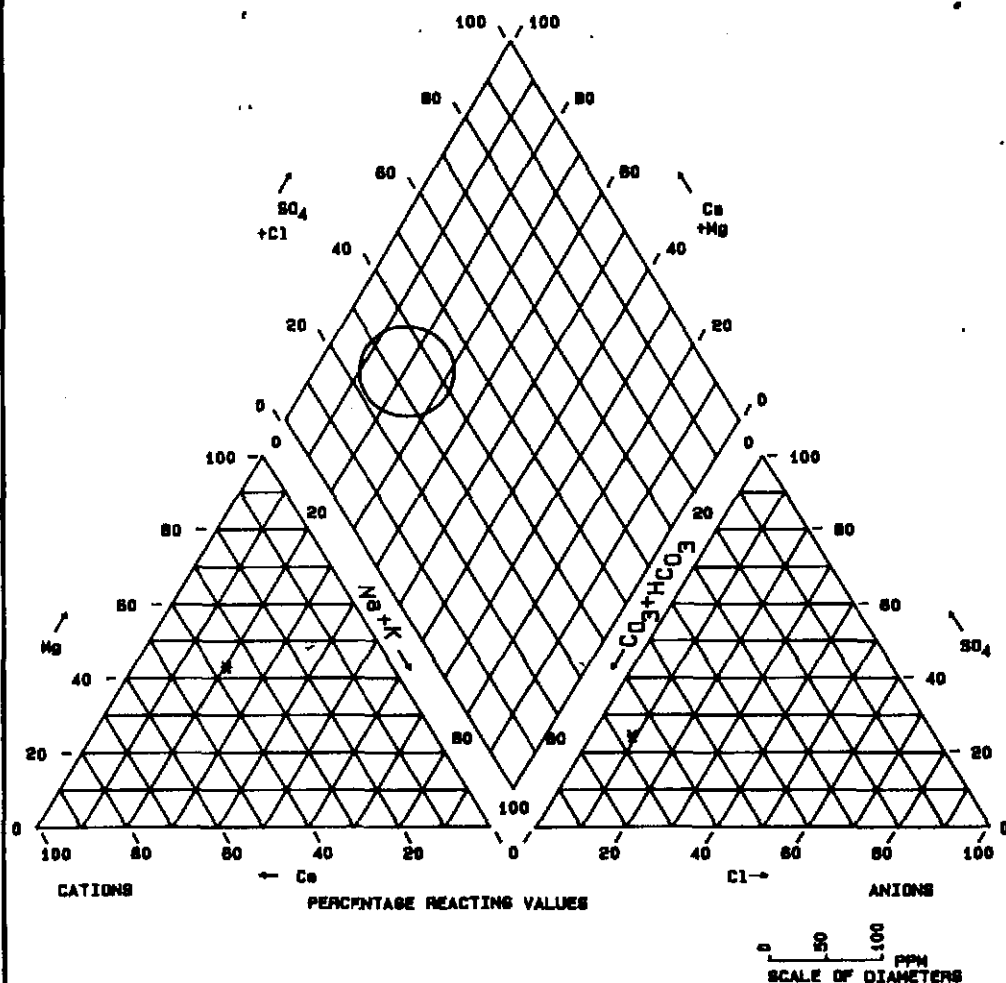
SAMPLE: GA0319 16/03/88

CHEMICAL GRAPHS

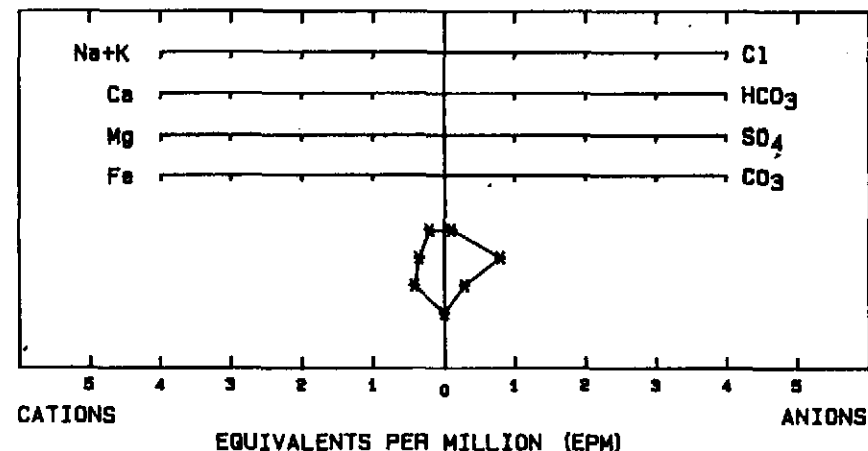
USAID/DAKAR/SENEGAL

FIGURE: GA0319

PIPER TRILINEAR DIAGRAM

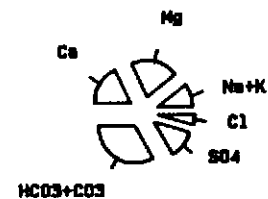


STIFF GRAPH



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: KAEDI 18

SAMPLE: GA0319 12/07/88

CHEMICAL GRAPHS

USAID/DAKAR/SENEGAL

FIGURE: GA0319

CHEMISTRY ANALYSIS

PROJECT: OMVS/USAID
LOCATION: KAEDI 18

FILE: 625-0958

WELL NO.: GA0319 12/07/88

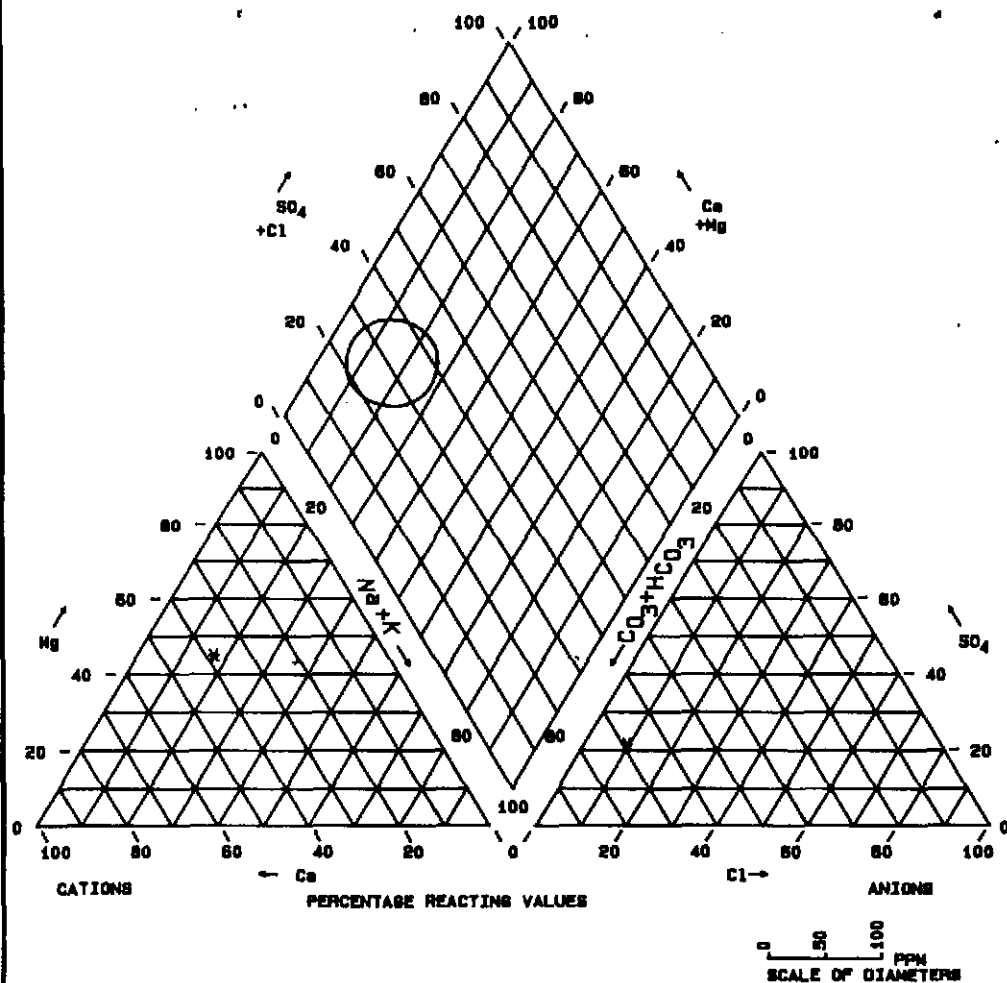
CATIONS	PPM	EPM	% EPM
Ca	7.00	0.35	36.38
Mg	5.00	0.41	42.83
Na+K	5.00	0.20	20.79

ANIONS	PPM	EPM	% EPM
HCO3+CO3	49.00	0.80	66.52
SO4	14.00	0.29	24.14
Cl	4.00	0.11	9.34

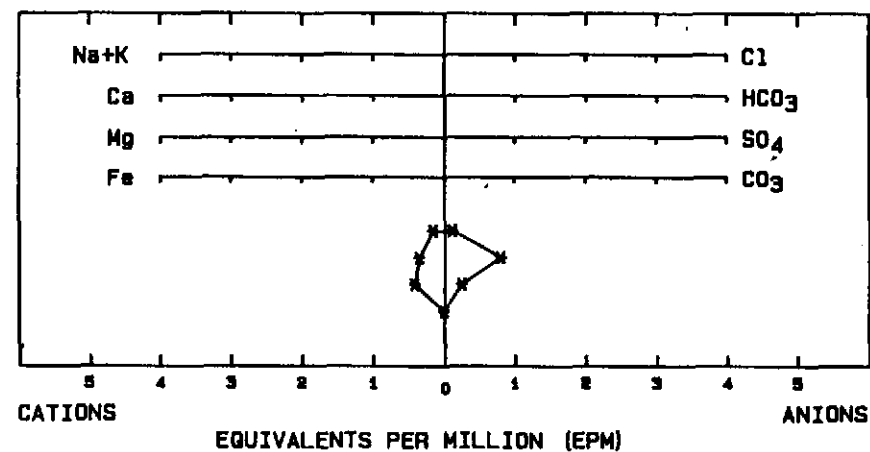
TOTAL DISSOLVED SOLIDS: 115
ERROR IN CATION/ANION BALANCE: 11.41 %
SODIUM ABSORPTION RATION (S.A.R.): 0.28

USAID/DAKAR/SENEGAL

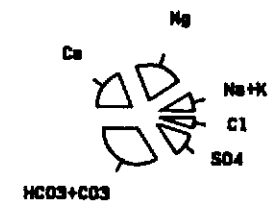
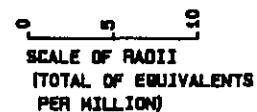
PIPER TRILINEAR DIAGRAM



STIFF GRAPH



PIE DIAGRAM



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

PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: KAEDI 18

SAMPLE: 6A0319 14/07/88

CHEMICAL GRAPHS

USAID/DAKAR/SENEGAL

FIGURE: GA0319

CHEMISTRY ANALYSIS

PROJECT: OMVS/USAID
LOCATION: KAEDI 1B

FILE: 625-0958

WELL NO.: GA0319 14/07/88

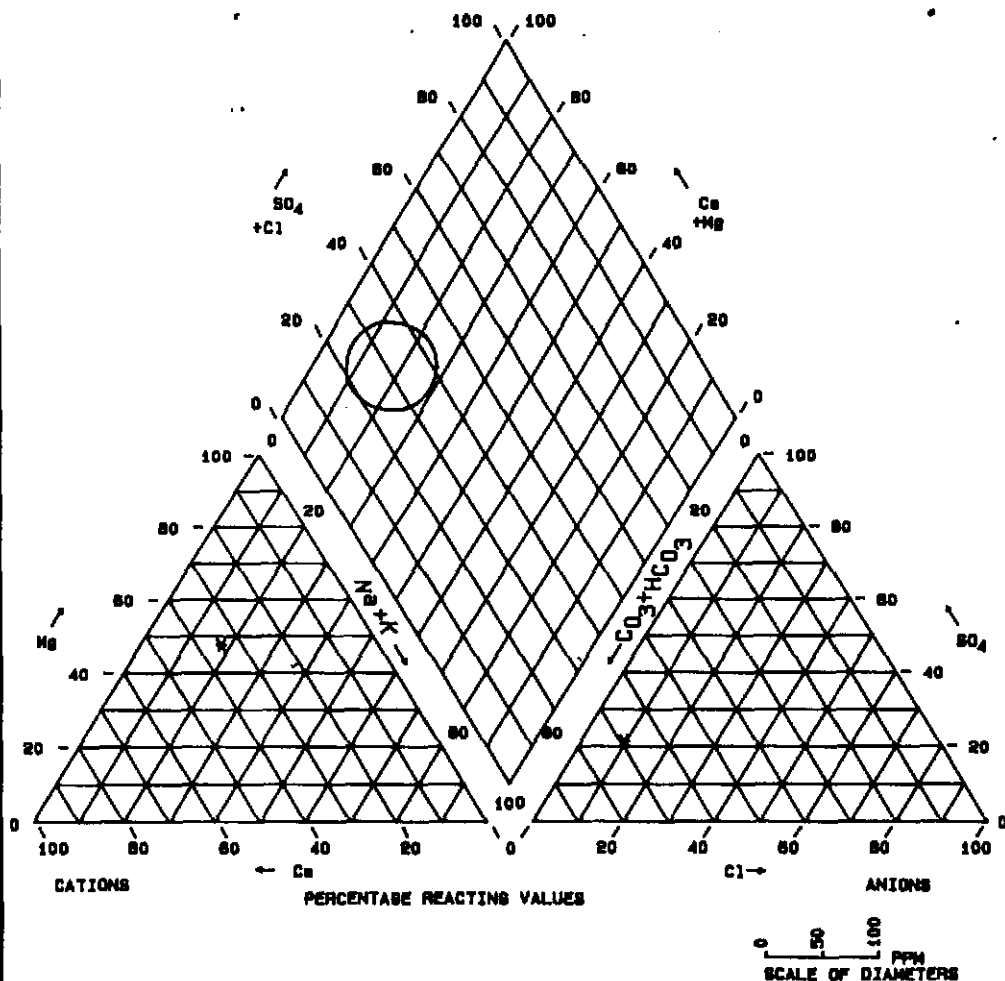
CATIONS	PPM	EPM	% EPM
Ca	7.00	0.35	38.11
Mg	5.00	0.41	44.86
Na+K	4.00	0.16	17.03

ANIONS	PPM	EPM	% EPM
HCO3+CO3	49.00	0.80	68.89
SO4	12.00	0.25	21.43
Cl	4.00	0.11	9.68

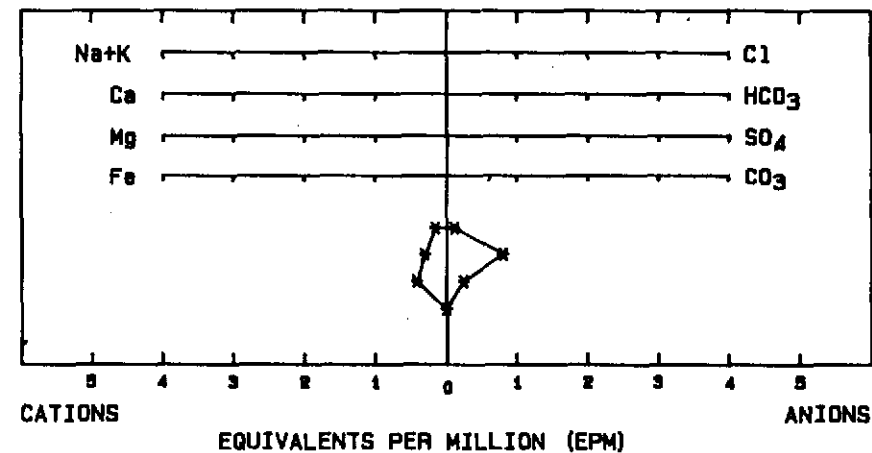
TOTAL DISSOLVED SOLIDS: 105
ERROR IN CATION/ANION BALANCE: 11.97 %
SODIUM ABSORPTION RATION (S.A.R.): 0.21

USAID/DAKAR/SENEGAL

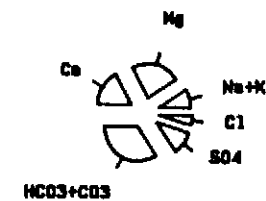
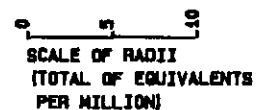
PIPER TRILINEAR DIAGRAM



STIFF GRAPH



PIE DIAGRAM



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

PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: KAEDI 18

SAMPLE: GA0319 15/07/88

CHEMICAL GRAPHS

USAID/DAKAR/SENEGAL

FIGURE: GA0319

CHEMISTRY ANALYSIS

PROJECT: OMVS/USAID
LOCATION: KAEDI 1B

FILE: 625-0958

WELL NO.: GA0319 15/07/88

CATIONS	PPM	EPM	% EPM
Ca	6.00	0.30	34.55
Mg	5.00	0.41	47.45
Na+K	4.00	0.16	18.01

ANIONS	PPM	EPM	% EPM
HCO3+CO3	49.00	0.80	68.89
SO4	12.00	0.25	21.43
Cl	4.00	0.11	9.68

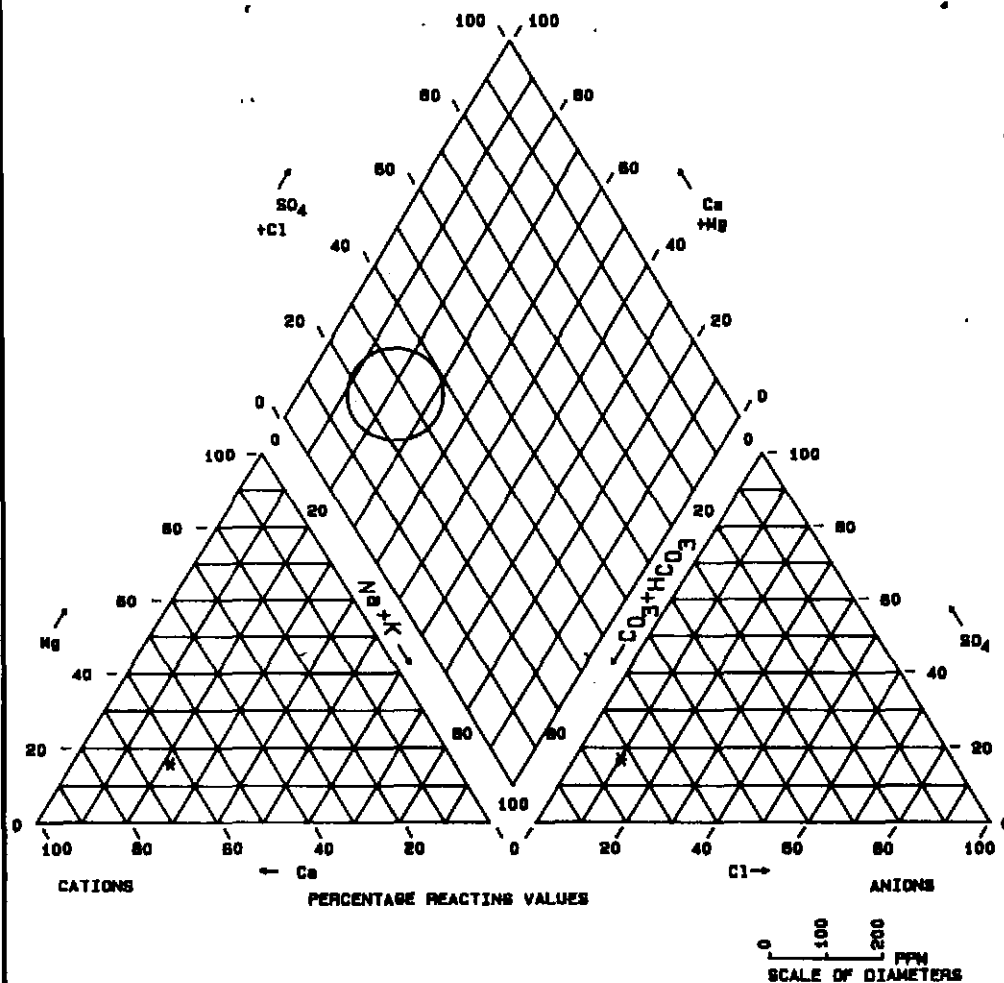
TOTAL DISSOLVED SOLIDS: 105

ERROR IN CATION/ANION BALANCE: 14.67 %

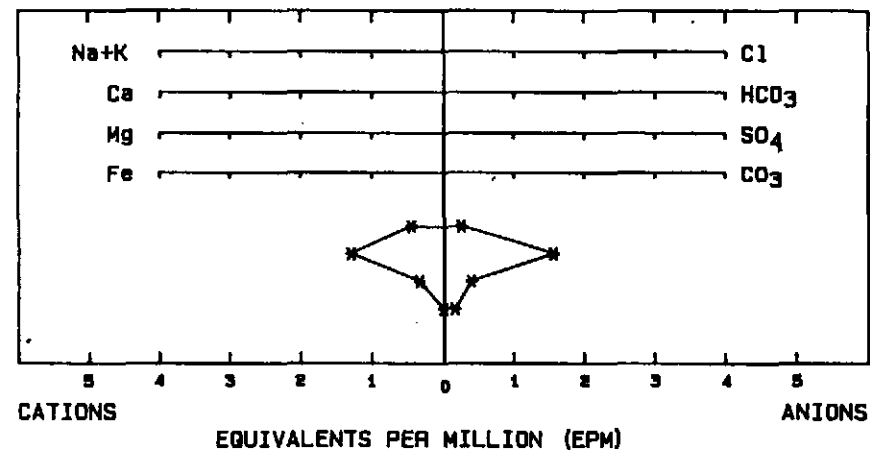
SODIUM ABSORPTION RATION (S.A.R.): 0.22

USAID/DAKAR/SENEGAL

PIPER TRILINEAR DIAGRAM

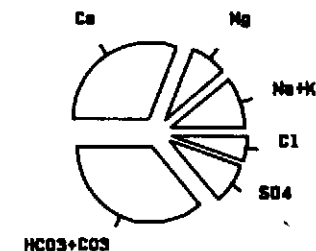


STIFF GRAPH



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: KAEDI 1B

SAMPLE: GA0321 15/03/88

CHEMICAL GRAPHS

USAID/DAKAR/SENEGAL

FIGURE: GA0321

CHEMISTRY ANALYSIS

PROJECT: OMVS/USAID
LOCATION: KAEDI 1B

FILE: 625-0958

WELL NO.: GA0321 15/03/89

CATIONS	PPM	EPM	% EPM
Ca	26.00	1.30	62.47
Mg	4.00	0.33	15.84
Na+K	12.00	0.45	21.68

ANIONS	PPM	EPM	% EPM
HCO3+CO3	100.00	1.72	72.64
SO4	19.00	0.40	16.67
Cl	9.00	0.25	10.69

TOTAL DISSOLVED SOLIDS: 150

ERROR IN CATION/ANION BALANCE: 6.66 %

SODIUM ABSORPTION RATION (S.A.R.): 0.39

USAID/DAKAR/SENEGAL

CHEMISTRY ANALYSIS

PROJECT: OMVS/USAID
LOCATION: KAEDI 1B

FILE: 625-0958

WELL NO.: GB0382 21/04/88

CATIONS	PPM	EPH	% EPH
Ca	59.00	2.94	48.46
Mg	25.00	2.06	33.85
Na+K	28.00	1.07	17.69

ANIONS	PPM	EPH	% EPH
HCO3+CO3	256.00	4.20	75.21
SO4	38.00	0.79	14.18
Cl	21.00	0.59	10.61

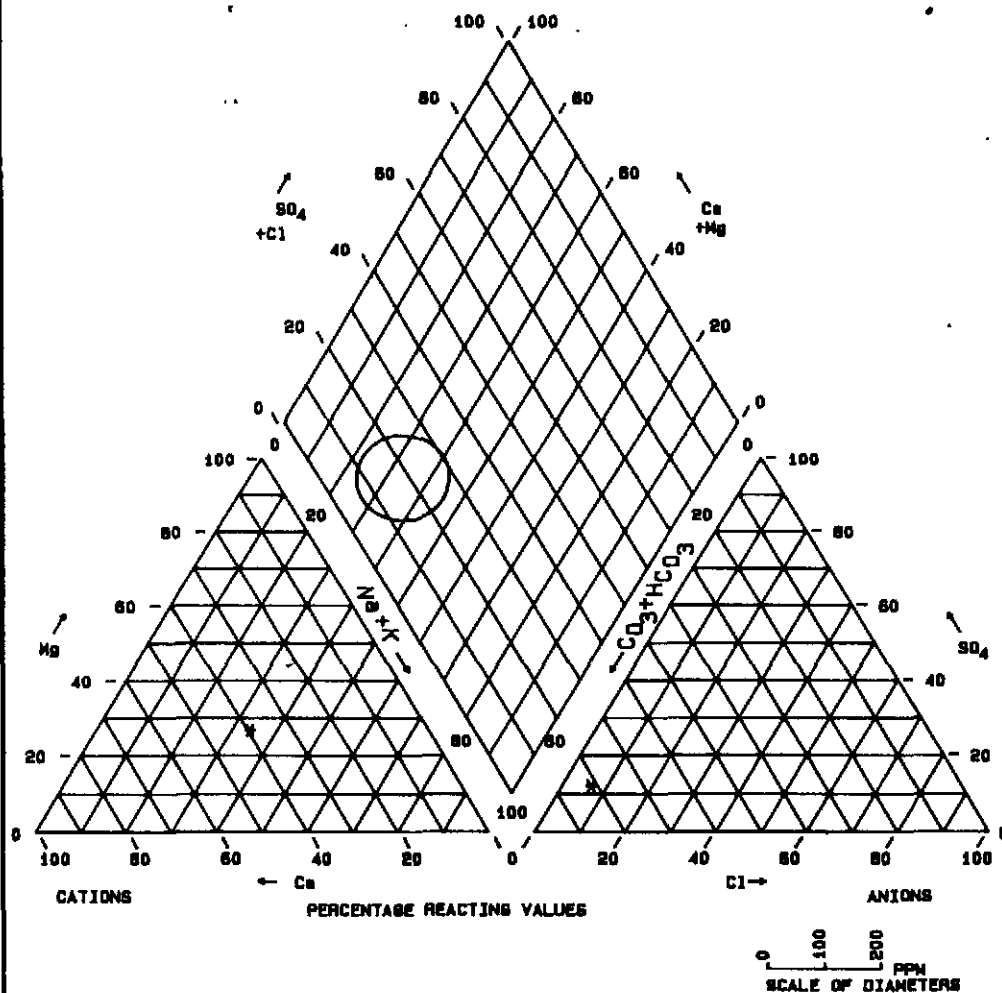
TOTAL DISSOLVED SOLIDS: 351

ERROR IN CATION/ANION BALANCE: 4.28 %

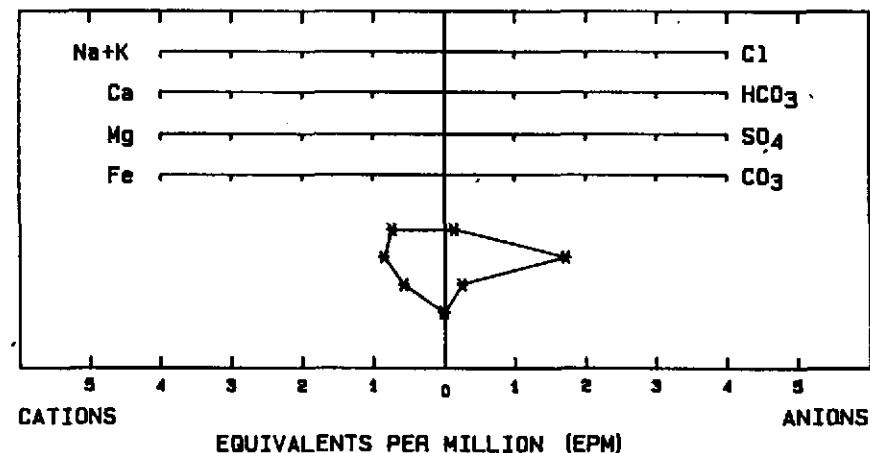
SODIUM ABSORPTION RATION (S.A.R.): 0.55

USAID/DAKAR/SENEGAL

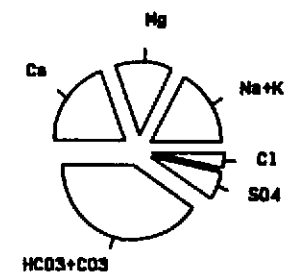
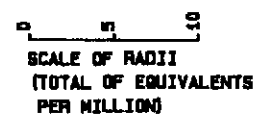
PIPER TRILINEAR DIAGRAM



STIFF GRAPH



PIE DIAGRAM



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

PROJECT: OMVS/USAID
FILE: 625-0958
LOCATION: KAEDI IB

SAMPLE: GB0964 21/04/88

CHEMICAL GRAPHS

USAID/DAKAR/SENEGAL

FIGURE: GB0964

CHEMISTRY ANALYSIS

PROJECT: OMVS/USAID
LOCATION: KAEDI 1B

FILE: 625-0958

WELL NO.: GB0964 21/04/88

CATIONS	PPM	EPM	X EPM
Ca	17.00	0.85	39.26
Mg	7.00	0.58	26.64
Na+K	19.00	0.74	34.10

ANIONS	PPM	EPM	X EPM
HCO3+CO3	104.00	1.70	81.35
SO4	12.00	0.25	11.92
Cl	5.00	0.14	6.73

TOTAL DISSOLVED SOLIDS: 157

ERROR IN CATION/ANION BALANCE: 1.83 %

SODIUM ABSORPTION RATION (S.A.R.): 0.72

USAID/DAKAR/SENEGAL

