ANNEXES X ENVELOPES

ANEXOS X PASTAS

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ANNEX 10.01

CPRM

PERFILAGEM

BOREHOLE LOGGING

GAMA-ONDA ELÉTRICA POTENCIAL ESPONTÂNEO
GAMMA RAY ELECTRODE POTENTIAL

CLIENTE / CLIENT: Geomil

PROJETO / PROJECT: Hidrogeologia - Programa Mecanave Vale

FURO / BOREHOLE: DNWB-58

MUNICÍPIO / TOWN: Zumbo — ESTADO / STATE: TETE

	CORRIDA / RUN		REGISTRO / RECORD	
	INÍCIO / START	FIM / END	INÍCIO / START	FIM / END
Data / Date	11/06	11/06		
Hora / Time	15:10	16:20		
Nível Inicial / Initial Level	Raso	18,00		
Nível Lido / Level Read	0,00	18,00		
Nível Corrigido / Corrected Level	18,00	18,00		
Profundidade Perfurada / Drilled Depth	18,00	18,00		
Profundidade Registrada / Logged Depth	18,00	18,00		
Sonda / Probe				
Cabo / Cable				
Velocidade / Speed	10 m/min	50 m/min		
Fase Permanente / Permanent Phase	sim / não	—		
Constante de Zona / Zone Constant	sim / não	—		
Fator de Escala / Scale Factor	5,0	5,0		
Nível de Água / Water Level	0,00 m	0,00 m		
Nível de Referência / Reference Level	Raso	Raso		
Observações / Remarks	Nível	Nível		
Operador / Operator				
Testemunha / Witness				

ESTADO: Perfeito

ANEXO 10.02

CPRM

PERFILAGEM

GEOFÍSICA · LOGGING

GAMA-GAMA/DENSIDADE · NEUTRÃO · POROSIDADE
GAMMA-GAMMA/DENSITY · NEUTRON · POROSITY

CLIENTE / CLIENT: CPRM

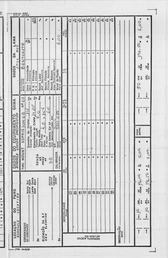
PROJETO / PROJECT: Mineralização Polimetálica Morro do Ouro

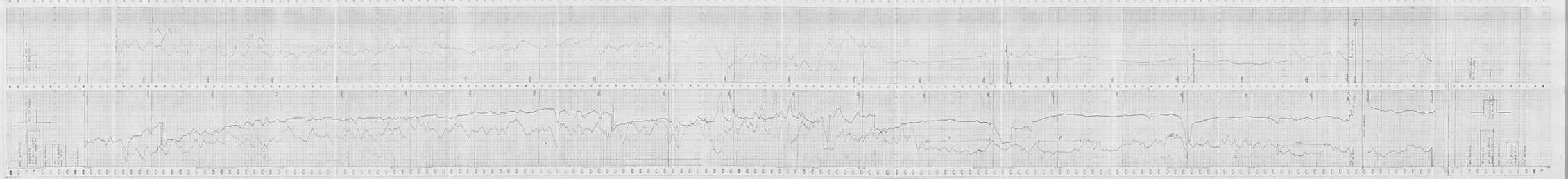
FURO / HOLE: CL-MO-09

MUNICÍPIO / CIDADE: Paracatu — ESTADO / STATE: MG

DATA / DATE	30/08/2008		31/08/2008	
Nº DA CORRIDA / RUN Nº	3		3	
BASE	FOLHA		FOLHA	
TOPO LIDO	354,00 m		176,00 m	176,00 m
TOPO LOGGED				
BASE LIDA	0,00 m		0,00 m	0,00 m
BASE LOGGED				
COMPR. REGISTRADO	354,00 m		176,00 m	176,00 m
LOGGED INTERVAL				
PROFUNDIDADE PERFURADA	354,00 m		176,00 m	176,00 m
DRILLED DEPTH				
TUBOS REVESTIDOS				
CASING PIPES				
VELOCIDADE	30 m/min		30 m/min	30 m/min
LOGGING SPEED				
PRÉ-CONTAGEM / PRE-COUNT	sim / yes		—	—
CONTAGEM DE TEMPO / TIME COUNT	sim / yes		—	—
TAXA DE CONTAGEM	2,0		0,5	0,5
COUNT RATE				
BASE DE TEMPO / TIME BASE	1		1	1
BASE DE TEMPO / TIME BASE	1		1	1
SENSIBILIDADE	—		—	—
SENSITIVITY				
CONSTANTE DE TEMPO	—		—	—
TIME CONSTANT				
TAXA DE CONTAGEM	3,5		1,5	2
COUNT RATE				
OBSERVAÇÕES				
REMARKS				

Perfil Geral





ANEXO VI-101

CPRM

PERFILAGEM

MINERAIS E COMBUSTÍVEIS SÓLIDOS

CLIENTE	Diversos
PROJETO/POÇO/Área	Mina Morro Agudo
FURO	CA-VR-34
ÁREA	
MUNICÍPIO	Vazante
ESTADO	Minas Gerais

	DATA	HORA	PROFUNDIDADE
1ª CORRIDA	27/11/2014	17:30	0
2ª CORRIDA	27/11/2014	21:45	0
3ª CORRIDA	28/11/2014	10:45	0

	1ª CORRIDA	2ª CORRIDA	3ª CORRIDA
Nº DE SONDA	1	1	1
Nº DE REGISTRO	1	2	3
TIPO DE REGISTRO	0	0	0
TIPO DE ESCALA	0	0	0
Nº DE CORRIDA	1	2	3
Nº DE PASSADA	1	1	1
TIPO DE PASSADA	0	0	0
SENTIDO	DESCIDA	SUBIDA	DESCIDA
TOPO DO REGISTRO	0 m	0 m	0 m
BASE DO REGISTRO	0 m	0 m	0 m
INTERVALO DE AMOSTRAGEM	0,01 m	0,01 m	0,01 m
TIPO DE ESCALA	METRICA	METRICA	METRICA

ANNEX 10.03

CPRM

PERFILAGEM
BOREHOLE LOGGING

GAMA-RESISTÊNCIA-POTENCIAL ESPONTÂNEO
GAMMA RAY-RESISTANCE-SPONTANEOUS POTENTIAL

CLIENTE / CLIENT: GSECHT

PROJETO / PROJECT: MOÇAMBIQUE PROGRAMA MUCAMBA VUZE

FURO / BOREHOLE: 03-VB-82

MUNICÍPIO / MUNICIPALITY: TUMBO — ESTADO / STATE: MOÇAMBIQUE

PERFIL CORRIDO RUN LOG	GAMA GAMMA RAY	RESISTÊNCIA RESISTANCE	POT. ESP S.P.
Corrida nº / Run nº — Esc. / Scale — Prof. / Depth (m)	1 — 1:100	1 — 1:100	1 — 1:100
Data / DATE	26 07 82	26 07 82	26 07 82
Primeira Leitura / FIRST READING	235,30 m	235,80 m	235,80 m
Última Leitura / LAST READING	239,40 m	239,80 m	239,70 m
Metragem Perfilada / LOGGED LENGTH	45,90 m	45,90 m	45,70 m
Profundidade Alcançada / DEPTH	285,90 m	285,90 m	285,70 m
Profundidade Perfuração / BOREHOLE DEPTH	285,90 m	285,90 m	285,70 m
Sapata Perfilagem / LOGGING SHOE	m	m	m
Sapata Perfuração / DRILLING SHOE	m	m	m
Sensibilidade / SENSITIVITY	10 cps/cm	50 ohm/cm	5 mV/cm
Erro Percentual / PERCENT PROBABLE ERROR	%PE = 2	—	—
Constante de Tempo / TIME CONSTANT	TC= — s	—	—
Vel. de Registro / RECORD. SPEED	3,0 m/m	3,0 m/m	3,0 m/m
Broca ou Coroa / BOREHOLE DIAMETER N Q	246,05 m	246,05 m	246,05 m
Broca ou Coroa / BOREHOLE DIAMETER B Q	285,90 m	285,90 m	285,70 m
Revestimento Cabeça / CASING N W	6,10 m	6,10 m	6,10 m
Revestimento Cabeça / CASING B W	246,05 m	246,05 m	246,05 m
Tempo de Operação / OPERATE TIME	3 h 30 min	3 h 30 min	3 h 30 min
Outros Perfis / OTHER LOGS			
Nomes do Cliente / CLIENT SUPERVISOR			
OPERADOR / OPERATOR	PEDRO STELLA		

DADOS DO FURO / BOREHOLE RECORD

LOCAÇÃO / LOCATION — COORDENADAS / COORDINATES — Este / East — Norte / North — Cota / Elevation

EXECUÇÃO / DRILLING — De / From — Até / To — Diâmetro / Diameter — Tipo / Type — Fluido / Fluid

DADOS DO EQUIPAMENTO / LOGGING EQUIPMENT

TIPO / MOUNT: SOPRIS — N/Nº 03

SONDA / PROBE nº: Diâmetro / Diameter 38 mm — Comprimento / Length 1,65 m — Peso / Weight 45 Kg — Fonte / Source 4,5 x 10⁻⁶ C — Det. / Detector Geiger-Muller — Det. Detetor GM nº 60 — Cabo / Cable 300 m

CALIBRAÇÃO / CALIBRATION — Nº — Data / Date

	Inicial / Initial	Final / Final
Fundo / Background	235,30 m	235,80 m
Sensibilidade / Sensitivity	50	50

DADOS DA LAMA / MUD RECORD

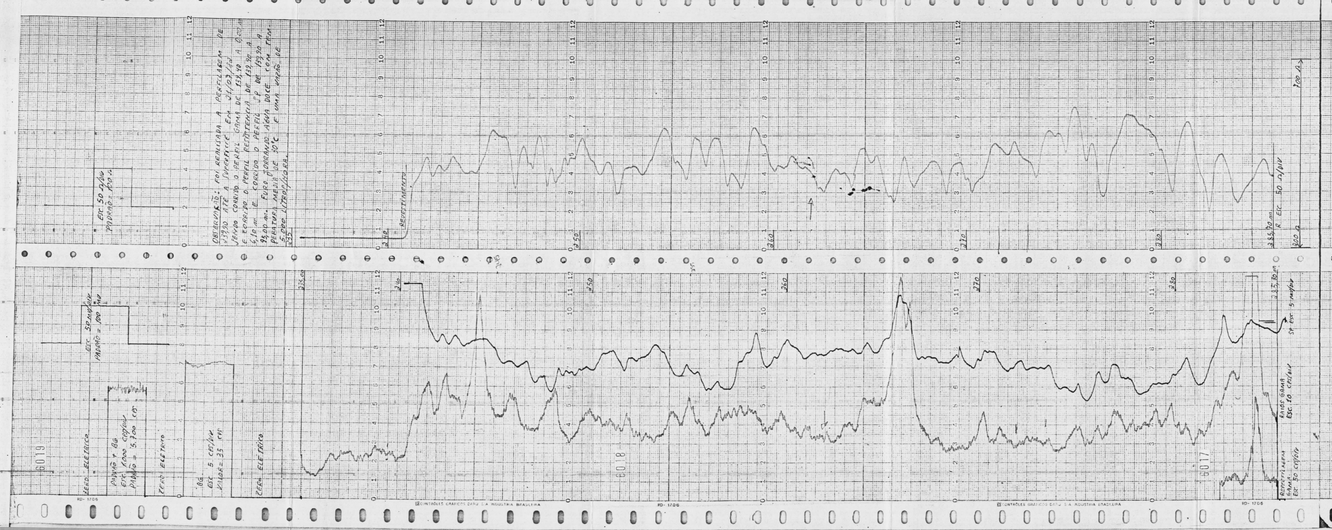
Densidade / Density — Viscosidade / Viscosity — P.H. — Filtrado / Filtrate — Reboco / Mud Cake — Resistividade / Resistivity — Temperatura / Temperature — Nível / Level

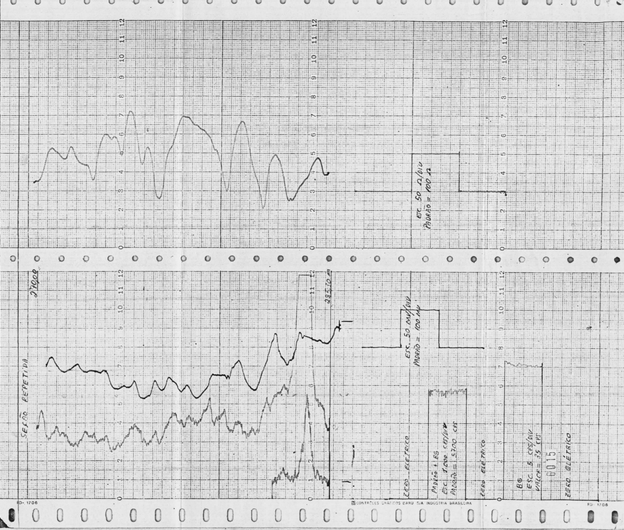
	De / From	Até / To
	15 m	285,90 m

PRESSÃO ENDIPERSORES / PACKER PRESSURE

OBSERVAÇÕES / REMARKS: FOI REALIZADA A PERFILAGEM DE 235,80 ATÉ A SUPERFICIE COM SONDA DE 38 mm. E EFECTUADO O PERFIL DE 285,90 A 235,80 m. AS CURVAS DE GAMA RAY E POTENCIAL ESPONTÂNEO FORAM REGISTADAS NA ESCALA 1:100 E A DE RESISTÊNCIA NA ESCALA 1:200.

OPERADOR / OPERATOR: PEDRO STELLA





ANNEX 10.04

CPRM

PERFILAGEM
BOREHOLE LOGGING

GAMA - RESISTÊNCIA - POTENCIAL ESPONTÂNEO
GAMMA RAY - RESISTANCE - SPONTANEOUS POTENTIAL

CLIENTE / CLIENT: GSECHI

PROJETO / PROJECT: MOÇAMBIQUE - PROGRAMA MUCANHA VUZI

FURO / BOREHOLE: 04-VB-82

MUNICÍPIO / MUNICIPALITY: ZUMBO — ESTADO / STATE: TETE

PERFIL CORRIDO / RUN LOG	GAMA / GAMMA RAY	RESISTÊNCIA / RESISTANCE	POT. ESP / S.P
Corrida nº / Run Nº — Esc. Prof / Depth Esc.	1 — 1:100	1 — 1:100	1 — 1:100
Data / Date	21 07 82	21 07 82	21 07 82
Primeira Leitura / First Reading	166,40 m	166,90 m	166,90 m
Ultima Leitura / Last Reading	0,00 m	25,40 m	25,40 m
Metragem Perfilada / Length Logged	166,40 m	141,50 m	141,50 m
Profundidade Alcançada / Bottom Depth	167,00 m	167,00 m	167,00 m
Profundidade Perfuração / Borehole Depth	167,00 m	167,00 m	167,00 m
Sapata Perfilagem / Logging Shoe	m	m	m
Sapata Perfuração / Drilling Shoe	m	m	m
Sensibilidade / Range	10 cps/div	50 ohm/div	5 mv/div
Erro Percentual / Percent Probable Error	%PE = 2	—	—
Constante de Tempo / Time Constant	TC = — s	—	—
Vel. de Registro / Paper Speed	3,0 m/min	3,0 m/min	3,0 m/min
Broca ou Coroa / Borehole Diameter NQ	167,00 m	167,00 m	167,0 m
Broca ou Coroa / Borehole Diameter	— m	— m	— m
Revestimento / Casing NW	25,40 m	25,40 m	25,40 m
Revestimento / Casing	— m	— m	— m
Tempo de Operação / Operate Time	3 h 30 min	3 h 30 min	3 h 30 min
Outros Perfis / Other Logs			
Repres. do Cliente / Client Supervisor			
Operador / Operator	PENIDO STELLA		

5

dobrar aqui / FOLD HERE

DADOS DA LAMA / DRILL MUD

Natureza / Mud Type: BENTONITA

Dens. / Dens: — lb/gal; Viscosidade / Viscosity: — ; Filtrado / Filtrate: — c.c/30min; P.H.: — ; Resist. Lama / Mud Resistivity: — °C; Resist. Filtrado / Filtrate Resistivity: — °C; Resist. Reboco / Cake Thickness Resistivity: — °C; Nível do Fluido / Fluid Level: 0,00 m

DADOS DO EQUIPAMENTO GAMA / BOREHOLE LOGGER SPECIFICATION

TIPO: MOUNT SOPRIS 3000 NB Nº 03

SONDA Nº / PROBE Nº: Diametro do Cristal / Crystal Diameter: 1/2" pol; Comprimento do Cristal / Crystal Length: 1 x 1/2" pol; Tempo Morto / Dead Time: 7,0; Fator K / K Factor: 6,4 x 10⁻⁶; Dist. Detetor Ext int / Detector - Lower End: 60 cm

CALIBRADOR / Calibrator: Nº 3000; Valor / Value: 5700 CPS

LOCAÇÃO DO FURO / BOREHOLE LOCATION

COORDENADAS / CO-ORDINATES: Norte Sul / North South; Leste Oeste / East West; Do —

ELEVAÇÃO DA B.F. / DDH ELEVATION: — m acima / above, abaixo / under; Do —

SENSIBILIDADE / Range	DE / From	ATÉ / To	% P.E.	T.C.	VEL / Speed
cps/div					m/min

REPERFILAGENS / RELOGGING

OBSERVAÇÃO / NOTE

10 cps/div	DE / FROM 166,40 m	A / TO 0,00 m	
5 mv/div	DE / FROM 166,90 m	A / TO 25,40 m	PROF. / DEPTH
50 ohm/div	DE / FROM 166,90 m	A / TO 25,40 m	

ANEXO 10.05

CPRM — **PERFILAGEM** — GERÊNCIA DE LEVANTAMENTOS GEOFÍSICOS APLICADOS À HIDROLOGIA

CLIENTE: CPRM

PROJETO: PROJETO LINHARES - CACHOEIRO DE ITAPEMIRIM (ES)

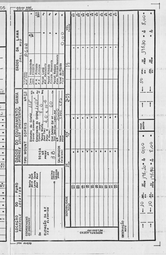
FURO: CT-VB-6A

MUNICÍPIO: LINHARES — ESTADO: ES

DATA (dia mês ano)	26/05/94				
HORA (hora minuto)	07:30				
Nº DA CORRIDA	01				
PROFUNDIDADE DO FURO	153,00 m				
PROFUNDIDADE DO POÇO	153,00 m				
PROFUNDIDADE DA COLUNA	153,00 m				
PROFUNDIDADE DO TUBO GUIA	6,00 m				
TUBOS REVESTIMENTO					
TUBOS FILTROS					
TUBOS LISOS					
FLUIDO DE PERFURAÇÃO	ar				
NÍVEL DA ÁGUA	5,00 m				
NÍVEL DO FLUIDO	-				
TEMPO DE PERFURAÇÃO	-				
TEMPO DE CIRCULAÇÃO	-				
DIÂMETRO DA BROCA	6"				
DIÂMETRO DO REVESTIMENTO	-				
DIÂMETRO DO FILTRO	-				
DIÂMETRO DO TUBO LISO	-				
OPERADOR	Paulo Sérgio				
ENGENHEIRO	Paulo Sérgio				

DATA (dia mês ano)					
HORA (hora minuto)					
Nº DA CORRIDA					
PROFUNDIDADE DO FURO					
PROFUNDIDADE DO POÇO					
PROFUNDIDADE DA COLUNA					
PROFUNDIDADE DO TUBO GUIA					
TUBOS REVESTIMENTO					
TUBOS FILTROS					
TUBOS LISOS					
FLUIDO DE PERFURAÇÃO					
NÍVEL DA ÁGUA					
NÍVEL DO FLUIDO					
TEMPO DE PERFURAÇÃO					
TEMPO DE CIRCULAÇÃO					
DIÂMETRO DA BROCA					
DIÂMETRO DO REVESTIMENTO					
DIÂMETRO DO FILTRO					
DIÂMETRO DO TUBO LISO					
OPERADOR					
ENGENHEIRO					

Furo: CT-VB-6A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ANEXO 10.06

PERFILAGEM

CPRM — Serviço Geológico do Brasil

Ministério de Minas e Energia

CLIENTE: Cliente

PROJETO/Location: Poço Nova Era

PROJECT

FURO: CC-08-SE

WELL

MUNICÍPIO: Acari — ESTADO: RN

ESCALA	1 : 100	1 : 200	1 : 500
	1" = 100'	1" = 200'	1" = 500'

CURVAS	UNIDADE	ESCALA	ESCALA	ESCALA
Caliper	Polegadas	6 ... 16	6 ... 16	6 ... 16
Raios Gama	API	0 ... 150	0 ... 150	0 ... 150
Resist. Longa	ohm.m	0 ... 2000	0 ... 2000	0 ... 2000
Resist. Curta	ohm.m	0 ... 2000	0 ... 2000	0 ... 2000
Resist. Normal	ohm.m	0 ... 2000	0 ... 2000	0 ... 2000
Resist. Lateral	ohm.m	0 ... 2000	0 ... 2000	0 ... 2000
Resist. Micro	ohm.m	0 ... 2000	0 ... 2000	0 ... 2000
Resist. Micro Cal	ohm.m	0 ... 2000	0 ... 2000	0 ... 2000
Resistividade	ohm.m	0 ... 2000	0 ... 2000	0 ... 2000
Temperatura	°C	0 ... 100	0 ... 100	0 ... 100
Temperatura	°F	32 ... 212	32 ... 212	32 ... 212
Temperatura Diferencial	°C	—	—	—
Temperatura Diferencial	°F	—	—	—
Raios Gama Diferencial	API	0 ... 150	0 ... 150	0 ... 150
Resistividade Diferencial	ohm.m	0 ... 2000	0 ... 2000	0 ... 2000
Potencial	mV	0 ... 2000	0 ... 2000	0 ... 2000
Potencial Diferencial	mV	—	—	—
Velocidade	m/s	—	—	—
Velocidade Diferencial	m/s	—	—	—
Densidade	g/cm³	1 ... 3	1 ... 3	1 ... 3
Densidade Diferencial	g/cm³	—	—	—

Perfil 1 Inicial

Perfil 1 Final

Perfil 2 Inicial

Perfil 2 Final

Perfil 3 Inicial

Perfil 3 Final

Perfil 4 Inicial

Perfil 4 Final

Perfil 5 Inicial

Perfil 5 Final

Perfil 6 Inicial

Perfil 6 Final

Perfil

PERFILAGEM
LITOLOGIA
PERFIL DE RAIOS GAMA NATURAL
PERFIL DE RESISTIVIDADE
PERFIL DE POTENCIAL ESPONTÂNEO
PERFIL DE CALIPER
PERFIL DE DENSIDADE
PERFIL DE NEUTRÃO
PERFIL SÔNICO

ANNEX 10.08

CPRM

PERFILAGEM

BOREHOLE LOGGING

GAMA - RESISTÊNCIA - POTENCIAL ESPONTÂNEO
GAMMA RAY - RESISTANCE - SPONTANEOUS POTENTIAL

CLIENTE *CLIENT* G SECHI

PROJETO *PROJECT* HIDROABASTECIMENTO - PROGRAMA NUCLEBRAS VU/I

FURO *BOREHOLE* 08-VB-82

MUNICÍPIO *MUNICIPALITY* ZUMBO ESTADO *STATE* PERNAMBUCO

PERFIL CORRIDO *RUN LOG*	GAMA *GAMMA RAY*	RESISTÊNCIA *RESISTANCE*	POT. ESP *S.P.*
Escala Nº *RUN Nº* Esc. *Scale* Prof. *Depth Sc.*	1 1:100	1 1:100	1 1:100
Data *Date*	03 03 82	03 03 82	03 03 82
Primeira Leitura *FIRST READING*	73,50 m	73,00 m	73,00 m
Última Leitura *LAST READING*	0,00 m	18,30 m	18,30 m
Intervalo Perfilado *LENGTH LOGGED*	73,50 m	54,70 m	54,70 m
Profundidade Apoiada *BOTTOM DEPTH*	73,10 m	73,10 m	73,10 m
Profundidade Perfuração *DRILLED DEPTH*	76,00 m	76,00 m	76,00 m
Sapata Perfilagem *CASING SHOE*	m	m	m
Sapata Perfuração *DRILLING SHOE*	m	m	m
Sensibilidade *GAIN*	10 API/in	50 ohm/in	10 mV/in
Erro Percentual *PERCENTAGE ERROR*	%/m 2	—	—
Constante de Tempo *TIME CONSTANT*	TC= — s	—	—
Vel. de Registro *PAPER SPEED*	3,0 m/h	3,0 m/h	3,0 m/h
Broca ou Coroa *BOREHOLE DIAMETER* Ø	76,00 m	76,00 m	76,00 m
Bitola do Perfilador *PROBE DIAMETER*	— m	— m	— m
Revestimento *CASING* Ø Nº	18,30 m	18,30 m	18,30 m
Revestimento *CASING*	— m	— m	— m
Tempo de Operação *OPERATE TIME*	2 h	2 h	2 h
Outros Perfis *OTHER LOGS*			
Equipe de Campo *CLIENT SUPERVISOR*			
OPERADOR *OPERATOR*	PEDRO STELLA		

DADOS DO EQUIPAMENTO GAMA *GAMMA RAY EQUIPMENT DATA*

Sonda *PROBE* SGR/S 2"x36" Nº 63
Diâmetro *Ø* 2" Comprimento *Length* 36"
Detector *DETECTOR* Cintilômetro *SCINTILLOMETER*
Tubo Contador *GM TUBE* Nº 1 Comprimento *Length* 16"
Fonte *SOURCE* Nº 1 Blindagem *SHIELDING* 6 mm Pb
Distância *DISTANCE* 3 cm
Calibração *CALIBRATION* Nº 1 Data *Date* 3-82

DADOS DO FURO *BOREHOLE DATA*

Locação *LOCATION* Fazenda Nova Vida
Operador *OPERATOR* Nova Sul Perfurações
Sondagem *DRILLING* Data *Date* 2-3-82
Início *START* 8:00 h
Término *FINISH* 17:00 h

Revestimento *CASING* Ø 6" Nº 18,30 m
Fluido *MUD* Água

Observações *REMARKS*

Responsável *RECORDED BY*

DADOS DA LAMA *MUD DATA*

Tipo *Type* Água
Densidade *Density* — g/cm³
Viscosidade *Viscosity* — s
P.H. — Filtrado *Filtrate* — cm³
Reboco *Mud Cake* — mm
Temperatura *Temperature* — °C
Fonte Resistiva *Resistivity Source* — Ω.m a °C
Fonte Gama *Gamma Source* — API

Escala *Scale* 1:100

Gama *Gamma* 0 a 100 API
Resistência *Resistivity* 0 a 100 Ω.m
Potencial *S.P.* 0 a 100 mV

Escala *Scale* 1:200

Gama *Gamma* 0 a 200 API
Resistência *Resistivity* 0 a 200 Ω.m
Potencial *S.P.* 0 a 200 mV

Escala *Scale* 1:500

Gama *Gamma* 0 a 500 API
Resistência *Resistivity* 0 a 500 Ω.m
Potencial *S.P.* 0 a 500 mV

Escala *Scale* 1:1000

Gama *Gamma* 0 a 1000 API
Resistência *Resistivity* 0 a 1000 Ω.m
Potencial *S.P.* 0 a 1000 mV

ANNEX 10.09

PERFILAGEM

CPRM

BOREHOLE LOGGING

GAMA - RESISTÊNCIA - POTENCIAL ESPONTÂNEO
GAMMA RAY - RESISTANCE - SPONTANEOUS POTENTIAL

CLIENTE / CLIENT: GSECHI

PROJETO / PROJECT: MOÇAMBIQUE - PROGRAMA MUCANHA VUZI

FURO / BOREHOLE: 09-VB-82

MUNICÍPIO / MUNICIPALITY: ZUMBO — ESTADO / STATE: TETE MOÇAMBIQUE

PERFIL CORRIDO / RUN LOG	GAMA / GAMMA RAY	RESISTÊNCIA / RESISTANCE	POT. ESP / S.P
Corrida nº / RUN Nº — Esc. Prof / DEPTH ESC.	01/02 — 1:500 / 1:100		
Data / DATE	18 08 82	18 08 82	
Primeira Leitura / FIRST READING	199,40 m	199,90 m	m
Ultima Leitura / LAST READING	0,00 m	8,00 m	m
Metragem Perfilada / LENGTH LOGGED	199,40 m	191,90 m	m
Profundidade Alcançada / BOTTOM DEPTH	200,00 m	200,00 m	m
Profundidade Perfuração / BOREHOLE DEPTH	200,00 m	200,00 m	m
Sapata Perfilagem / LOGGING SHOE	m	m	m
Sapata Perfuração / DRILLING SHOE	m	m	m
Sensibilidade / RANGE	10 cps/div.	50 ohm/div	mv/div
Erro Percentual / PERCENT PROBABLE ERROR	%PE = 2	—	
Constante de Tempo / TIME CONSTANT	TC = — s	—	
Vel. de Registro / PAPER SPEED	3,00 m/min	3,0 m/min	m/min
Broca ou Coroa / BOREHOLE DIAMETER NQ	200,00 m	200,0 m	m
Broca ou Coroa / BOREHOLE DIAMETER	m	m	m
Revestimento / CASING NW	1,90 · 8,00 m	1,90 · 8,00 m	m
Revestimento / CASING	m	m	m
Tempo de Operação / OPERATE TIME	2 h 30 min	2 h 30 min	h min
Outros Perfis / OTHER LOGS			
Repres. do Cliente / CLIENT SUPERVISOR			
OPERADOR / OPERATOR	PENIDO STELLA		

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DADOS DA LAMA / DRILL MUD: Natureza / MUD TYPE: ÁGUA; Dens. / Dens; Viscosidade / Viscosity; P. H.; Filtrado / Filtrate; Resist. Lama / Mud Resistivity; Resist. Filtrado / Filtrate Resistivity; Resist. Reboco / Cake Thickness Resistivity; Nivel do Fluido / Fluid Level: 0,00 m

DADOS DO EQUIPAMENTO GAMA / LOGGER SPECIFICATION: TIPO: MOUNT SOPRIS 3000 VB Nº 03; Diametro do Cristal / Crystal Diameter: 1/2" pol; Comprimento do Cristal / Crystal Length: 1 x 11/2" pol; Tempo Morta / Dead Time: 10 seg; Fator K / K Factor: 6,4 x 10⁻⁶; Dist. Detetor Ext int / Dist. Detector - Lower End: 60 cm; SONDA Nº / PROBE Nº; CALIBRADOR / Calibrator: Nº 3000, Valor / Value 3700 CPS

LOCAÇÃO DO FURO / BOREHOLE LOCATION: COORDENADAS / CO-ORDINATES: Norte Sul / North South; Leste Oeste / East West; Do; ELEVAÇÃO DA B.F. / DDH ELEVATION: m acima / above, abaixo / under; Do

T.C. / T.C.; VEL / Speed; % P.E.; DE / From; ATE / TO; SENSIBILIDADE / Range

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