der Osy Idp	Mål cåt	và cấu trúc tổ					-		Cấu trúc đá • Rock fabric	fabric	Khe mit - Discontinuities	continuities			
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78 78.0 Fr 79.0 (Jyh)		<b>a</b>		+ Bogn 67.0-80.0m: Cat kêt chiếm 90%. + Section 67.0-80.0m: SANDSTONE occupies 90%.	90%. occupies	8 -	% - 5 = 8 \$ -	τ- Σ	æ		£ £	آ ھ کے ق ±	Ë ≡ 81.5		
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/ı tri - Site; DN 4 - Dam site	Toa do	Toa dô - Coordinates	Tổ khoan - Oniling Team; Mguyễn Đình Bình	m; <del>N</del> ցսչశီո Đình Bình	9	REVISIONS	14	DATE XNKSTHMN-S.G.I.E	:-PECC2	DONG TRINH THU	NG TY BIEN LU Y BIEN BÓNG N	TONG CONG TY DIEN LUC VIET NAM - ELECTRICITY OF VIET NAM INF THUY DIEN DÖNG NAI 384 - DONG NAI 384 COMBINED HYDRI	LECTRICITY OF NAI 3&4 COMBIL	TONG CONG TY DIEN LUC VIET NAM - ELECTRICITY OF VIET NAM CONG TRINH THILY DIEN DONG NAI 384 - DONG NAI 384 COMBINED HYDROPOWER	- I
Khởi cóng - Started: 24/08/99-	<b>X</b> :	1314 836,61	May khoan - Machine Used; UGB-50M	Sed; UGB-50M				Gam doc Dimetor		Phạm Văn Mẫn		LÖ KHÓA	LÖ KHOAN - 80 9200	Giai doan: NCKT	
Kéi thúc + Finished: 13/09/99	* * <b>*</b> *	797 541,36	No ku māu - Core store at: THAC MC	e at: THAC MG CORE HOUSE		ï		Chief of Eng.6.0	1	Dinh Văn Bống		DRICHOL		F/ 5 5/306	- 1
Dộ sáu - Total depth; 80,0m	Cao då - Elevation: 476,22m	ion: 476,22m	Anh nón khoan - Core photographed	photographed (Yes/No): Yes				Made by		Phạm Văn Thủ		Date:	07/10/99	Sheet No. 777	- 1
79-14 - Scale: 1:100	Huding - Directs	Góc nghiêng - Declination: 90* Huồng - Direction :	Ngáy chup - Date taking photograph:	g photograph; 04/10/39	REMARKS	KS		Nguoi kiém tr Checked by	$\neg$	Nguyễn Văn Nghiệp		8 6		F/S - DH - 20	1

		Ghi chu Remark		٠.						·																			TET NAM	354 - DONG NAI 324 COMBINED HYDROPOWER	Gial doan: NCKT	F/ S Stage	To so: 1/4
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LÔ KHOAN DRILLHOLE			sét màu xám nâu phót vàng nâu	, náu đó sẩm, kém chặt đến chất				\$ ; ·		màu nau đỏ ít đồm vàng nâu sảm,	chật vừa, nữa cứng, chứa <30% kết vòn mảng laterit	rởi rạc, kêm cứng chắc đến cứng chắc trung bình,	:	ckied	30%	ize.	3	Ž,	3/ 12.0-26.3m; Sét dén á sét máu xam váng nhạt.	đôi chỗ màu nâu độ nhạt phát tím nhạt đốm nâu độ,	xám nâu, tím nâu nhạt, vàng nâu, xám sáng, chặt	vừa, nừa cừng đến đẻo cừng, chừa s10% đảm cục	yeu.		LAY, SANDY CLAY light yellowish	sh, nghi violetish speckled reddish	yellow, median sun, wall \$10% of	. ب	-	+			-
10 E			pho	E CH3	: 4	brownish	dark reddish	Ş		n vàng	NOV F	chác 1	٠.,	2/ 1.7-12.0m; CLAY reddish brown speckled	medium stiff, contains <30%	8-15cm in size	-	. :	E EX	shạt đ	жşж	الم	bazan lô rông kém cứng chác đối khi mềm yếu.		동 : ≿	Speck	prown, prownish yellow, medialin suri, wa	om: No fragment content.					
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			1; A S	sām, dóm náu der	vưa, nưa cưng, làn đ.) 17.0 0-3 7m: Top soil			medium stiff, containing few plant roots		2/ 1,7-12,0m: Sét	is cir	e E	kích thước ≤5cm đến 8-15cm.	Ë	brownish yellow.	to medium laterite			.33. S	າດ ກລົບ	tím ná	p oug.	Ş.	+ Đoạn 12.0-16.0m: Không lần dâm.	3/ 12.0-26.3m; C	grey, light readis	prown, prownish	weak to very wear + Section 12.0-16	1		8	Not but may - Core store at: THAC AND CORE	Ánh nón khoan - Core photographed (Yes/No)
			1/ 0.0-1.7m: A	<b>9</b> 6	2	SANDY CLAY	ded	um stif	¥	7-12.0	vila.	ac, Kė	thuốc	.7-12.	nish ,	edium	*.	:	2.0-26	<u>F</u>	nau.	2	년 일	An 12	2.0-26	ing.		2 5 2 5 3 5	To the second se		Máy khoan - Machine Used; CKB - 50	¥c	payded
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ısa	a Philosophy is		VIET NAM INED HYDROPOWER	Glai doan: NCKT	F/ 5 5Bg6	Sheet No. 2/4 F/S · DH · 22	
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- Rock fabric	603 60 603 60		5)	Phạm Văn Mẫn	٦	Trán Van Co Norvěn Van Nobleo	ייישי יישר יישלים און
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	MO tá dát dá Description of material	4/ 26.3-27.0m: Bot phong hoa mānh liệt. Set xám tro, phát xanh nhạt it vết xám vàng, chật vữa, nửa cứng, chứa 40-50% dâm cục thời ngắn bazan lỗ rỗng kém cứng chác đến mềm yếu, kích thuớc 7-10cm đển 15cm.  4/ 26.3-27.0m: Highly weathered zone. CLAY ash grey, light greenish, yelkwish grey, stiff, containing 40-50% of Porous Basalt fragment, weak to very weak, size of 7-10cm to 15cm.  5/ 27.0-28.0m: Sét màu xám vàng nhạt dốm nàu dỗ, vàng nàu, xám tro, xám xanh nhạt, chất vừa, déo mềm, chứa <10% dâm bazan lỗ rộng kém cứng chác đến mềm yếu, kích thước sácm. Sing ney, light greenish grey, medium stiff, containing <10% of weak to very weak Porous Basalt fragment of 5 cm in size, to very weak Porous Basalt fragment of 5 cm in size.  6/ 28.0-30.7m: Bởi phong hóa mãnh liệt. Sét màu xám trọ phát xanh nhạt lệ đốm xám nâu, nàu dò nhạt, chật vừa, dèo mềm, chứa 30-40% dâm cực bazan lỗ rồng kém cứng chác dốn mềm yếu, kích thước 2-7cm đến 10-12cm.  6/ 28.0-30.7m: Highly weathered zone.  6/ 28.0-30.7m: Highly weathered zone.  6/ 28.0-30.7m: Highly weathered sone.  6/ 28.0-30.7m: Highly weathered sone.  6/ 28.0-30.7m: Highly weathered sone.  6/ 28.0-30.7m: highly greenish speckled brownish grey, light reddish brown, medium stift, containing 30-40% of weak to very weak Porous Basalt fragment of 2-7cm to 10-12cm in size.	16 khoan - Drilling Team: Kidu Xudn Hidu	# Used: CK8 - 50	· Core store at THAC MO CORE HOUSE	Yes	Ngày chụp - Date taking photographi: 08/07/99
	Ket and SPT S6 bus N Result of SPT N Value (N/30cm)		To khoan - Orilling T	May khoan - Machine Used: CK8 - 50	Not four måls - Core si	Ach non khoan - Cor	Ngày chup · Uate ta
Mật cát và cấu trúc tổ	₹		Toa do - Coordinates	1319 696.33	798 816.54	Cao dó - Elevation; 663.56m Góc nghiêng - Declination: 90°	tion :
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Day lop	\$ 25 00 00 00 00 00 00 00 00 00 00 00 00 00	95.745	V) Iri - Site: DN 4 - Quarry site	orled: 12/06/99	hed: 30/06/99	D¢ sau - Total depth: 50.0m	8
790 730	H.49 khoan - Oria Kỳ haku dia 1809 - Inc	125 21 130 2	ir Site: Dh	Khởi công - Started:	Kêt thúc - Finished:	sáu - Total c	Ty it Scale.

	Ghi chú Remark			<u> </u>			·			·										YÔNG CÔNG TY ĐIỆN LỰC VIỆT NAM • ELECTRICITY OF VIET NAM CONS TRÌNH THỦY ĐIỆN ĐỐNG NAI 384 • DONG NAI 384 COMBINED HYDROPOMER	Giał doan; NCKT	F/ S Stage
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		77 30.7-32,5m; Set xam sang phot xanh nhạt dên xam vàng, vàng nàu tí đóm xâm nàu, nàu đen, chât.	déo mém, chùa ≤15% dâm cục bazan ló róng kém cứng chắc đến mềm yếu, k.thước ≤7cm. マノ カケナ フラ cm. ೧. カン kinht pram licht presidich to	speckled brown grey, soft, containing to very weak Porous Basalt fragment	4 . 	Đới phong hóa mãnh liệt. tro đốm xảm nâu, vàng nâu, nâu đồ	nhạt, chặt vừa, nừa cứng, chữa 25-30% dâm cục	kêm cứng chắc đến mêm yêu, Kích	8/ 32.5-33.0m; Highly weathered zone, CLAY ash	grey speckled brownish yellow, ilght reddish brown, stiff, containing 25-30% of weak to very weak Porous	Ž.	9/ 33.0-36.6m; Đới phong hóa nhẹ. Bazan lỗ rỗng	màu xám den, cứng chắc, nút nẻ mạnh, Lỗ tổng có kích thước s2cm chiếm s20% thông nhau cục bỏ.	closely	≤20% communicating pore of ≤2cm in		10/ 36.5-39.0m; Dol phong hoa trung binni, Dam cyc. bazan 18 180g mau xam xanh den, Kém cứng chắc.	đến cứng chắc trung bình, kích thước 1-5cm đến 10-		£		
		de de	0 0 1	1 89 T		au. n	흅,	ğ :	<b>3</b> ;	다 다 장	1	E .	màu xám den, cứng chác, nữ nẻ mạnh, Lỗ rỗn kích thước s2cm chiếm s20% thông nhau cục bỏ,		Vi δ	č		E	E	11		
		xarh nâu	9 '	soff.	:	# P	30,	Ē.	oue.	5 5 5 5		837	anh. Thau	9/ 33.0-36.6m; Slightly weathered zone. POROUS BASALT blackish grey, strong.	Dore	3	<b>E</b> 5		15cm, chứa 20-30% sét xám đen dèo mềm			
	<u> 5</u>	ngr.	a ≤15% dâm cục bazan mềm yếu, kithước ≤7cm, . Co av tight grain tight	g gg g		Đời phong hóa mãnh liệt, tro đồm xâm nâu, vàng	. 23	န္ <u>ဌ</u>	2 5	<u> </u>		Ę	45 S	9/ 33.0-36.6m; Slightly weathered zone. POROUS BASALT blackish grey, st	Š.		g	Š	e C	1		٠.
	Mo tå dåf ds Description of material	z w	9 <u>9</u>			Sa mi	5	er Sec	ather	¥ 63.¥	Basalt fragment of 5-8cm in size.	Ş	5 % 5 %	there	ij			ĝ	e E			
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		7/ 30,7-32,5m; xám vàng, vàn	dèo mém, chùa cứng chấc đến r 7, 20 7,22 cm:	yetilowish grey	of s7cm in size	8/ 32.5-33.0m; S&L måu xåm	Ę.	bazan 10 rong thuốc 5-8cm	ဗို	grey speckled stiff, containing	⊞0¤	-36.6	8 A	36.6 S 8.	jointed, with		nj +2 b +>	ည် ဦ	g S	£ .	S	₩ W
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	MO ta dál da Description of material	10/ 36.6-39.0m: Moderately weathered zone, POROUS BASALT fragments of 1-5cm to 10-15cm in size, weak	um, dark greenish grey with	blackish grey, soft Clay.	11/ 39.0-41.0m: Đới phong hòa nhe. Bazan chất xít		11/ 39,0-41,0m: Slightly wea	BASALi, blackish grey, very strong, medium jomeo.	12/ 41.0-44.8m; Đới phong hóa trung bình. Đám cục		ng đển cứng chắc trung bình, kích thước 2-	7cm đến 10-18cm, chữa 30-40% sét xâm tro, xâm	ém, náu hét		12/ 41,0-44,8m; Moderately weathered zone, POROUS		veak to medium, containing 30-40% or	orey clay which was almost lost during drilling.	13/ 44,8-50,0m: Đới phong hóa nhẹ; Đá bazan lỗ rỗng	màu xám đen, cứng chắc, nữ nề mạnh, tổ rỗng có	kích thước <0.1cm đôi khi ≤1(	. QQ .	13/ 44.8-50.0m; Slightly weathered zone, POROUS	BASALT, blackish grey, strong, closely jointed, with	30% communicating pore of s1cm in size.				ân Hiếu	- 50	MO CORE HOUSE	ed (Yes/No): Yes	
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₩		<b>.</b>	ر <u>ا</u> ا	٠.	ر.	9.	1 5	יי ר	ָרָ רָרָ הַיִּרָּ	٠.			, . , .	ון ני ני פרי ני	: ا	, ,	יייי רי	٠ ا	, <u>,</u>			֓֞֝֜֝֝֓֞֜֜֝֝֓֓֓֓֓֓֝֝֝֓֓֓֝֝֝֝֓֓֓֝֝֝֝֝ ֓֓֞֞֞֞֜֓֓֞֞֜֜֓֓֓֓֓֞֜֜֡֓֓֡֓֜֡֜֜֜֡֓֓֓֜֜֡֜֜֜֡	ניני	ا د	֓֞֝֝֞֜֝֝֓֓֓֓֓֝֝֝֓֓֓֝֝֝֓֓֝֝֝֝֝֝֝ ֓֓֓֞֓֞֞֞֞֓֞֞֞	ני	֡֝֝֝֝֡֝֝֝֝֡֝֝֝֡֝֝֝֡֝֝֡֝֝֡֝֝֡֝֡֝֡֝֝֡֝֝֡֡֝֝֡֡֝֝֡֡֝֝֡֡֝֡֡֝֡֡֝֡֡			ន្ត	3,	٤	8
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		epico 60  222-00-101 New York  1547 (10) 10-10-10-10-10-10-10-10-10-10-10-10-10-1		TONG CONG TY DIỆN LƯC VIỆT NAM - ELECTRICITY OF VIET NAM CONG TRÌNH THỨY DIỆN ĐỐNG NAI 384 - DONG NAI 384 COMBINED HYDROPOWER	LÖ KHOAN - 80 9230 Glai doşnı: NÜKT		Ngay 15p 05/08/99 16 ±6: 1/4 Oate: 0ate: 1/4	So hiệu bản với: F/5 - DH - 23 Drawing No
	Rock labric Khe nút - (	post 6d postog p			Phạm Văn Mẫn	Sinh Van Bổng	Trịnh Ngọc Nam	Nguyễn Van Nghiệp
	Cau trúc da	Phony stood Phony bis Westnesse Scring size Syli-1904	₹>	DATE CTTVXD02-PECC2	Giám dóc Director	TP Ky thuất Chiet of Eng.G.O	Người Lập Made by	Ngude kiem tra Checked by
BQ 923D		THE NON SE Core recovery ROOD SE	o > 0	REVISIONS			1 2	REMARKS
LÔ KHOAN DRILLHOLE		No is dis dis Description of material	1/ 0.0-5.0m: A set mau nau sam phot vang nau sam, nau do sam, kem chal den chat vira, nira cung, ian it xac re invo vat.  1/ 0.0-5.0m: Top soil.  SANDY CLAY dark brown, yellowish brownish speckled dark reddish brown, stiff, with a few plant roots.  2/ 5.0-72.0m: Set mau nau do it dom vang nau sam, chat vira, nira cüng, chura c20% ket vön mäng laterit röl rac, kem cüng chác, kich thước s5cm.  2/ 5.0-72.0m: CLAY reddish brown speckled dark yellowish brown, stiff, with <20% of weak laterite of s5cm in size.	75 khoan - Drilling Team: Kiểu Xuán Hiểu	Máy Mhoan - Machine Uzed: CKB - 4	No to may - Core store at THAC MO CORE HOUSE	Ánh nón khoan - Core pholographed (Yes/No); Yes	Ngay chyp - Dale taking photograph: 10,08/39
	9	M va Ket qua SPT adu. Resut of SPT: hove. Depth (m) · N Valunte.			1			7-1
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		Chéu diy 100 (m) Thebress  Wale S S S	65	Tes d	×	<i>-</i> -	99 9	2 2

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1	Core recovery			٥>																	REVISIONS D				
<u>.</u>	of 18 non	chật sa tử	÷		Basalt	· · · · · · · · · · · · · · · · · · ·			dinh dinh	30-			grey. ferric	o ot	during						ON			7.	REMARKS
	NA 18 clit ds Description of material	3/ 12.0-20.0m: Bdi phong hóa mánh liệt. Sét xảm tro, phót xanh nhại ít vếi xám váng, chất vữa, nữa cứng, chứa 30-40% dâm cục bazan lỗ	rỗng kém cứng chác đến mềm yếu, kích thước 1- 4cm đến 10cm,	3/ 12.0-20.0m: Highly weathered zone. CLAY ash grey, light greenish speckled yellowish	grey, stiff, with 30-40% of weak Porous I ragments of 1-4cm to 10cm in size.			4/ 20.0-27.0m; Đới phong hóa mạnh,	Dâm cực bazan tó rồng mào xam den, xam xam, kém, cứng chắc đến cứng chắc trung bloh, dính	bảm oxit sát, kích thước 1-4cm đến 8cm, chữa 30-	40% set xam tro, xam den deo mem, nau net or na troi trono oud tran khoan.	ather	POROUS BASALT fragments, blackish grey, oreenish orev weak to medium, stained with ferric	oxides, size of 1-4cm to 8cm, with 30-40% of	blackish grey Clay, which was almost lost during						16 ichoan - Drilling Team: Kifu Xusin Hifu	ine Used: CKB • 4	Not fou mile - Core store at THAC MO CORE HOUSE	Sore photographed (Yes/No): Yes	taking photograph: 10/08/99
	Kél quả SPT Result of SPT: Depth (m) • N Valve																				To khoan - Drilling	Máy khoan - Machine Used: CKB -	Not the mile - Core	Anh non khoan - Core photographed	Ngày chụp - Date taking photograph
Mat cat va cau trúc ió	khoan, muc nubc nqam và nqày do, vị trí tấy mẫu. Gross section of drillhole, Water leveis and date, Samples location.	333				55		D	<b>)</b>	3.33	0110 1-1- C	gg				2			,,,		Toa dó - Coordinates	1319 684,84	798 965.99	Cao dó - Elevation: 673.08m	Goc nghiêng - Declination: 90*
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	NAO tá dát dá Description of material	Đới phong hóa nhẹ.	Bazan dae sit mau xam den, xanh den		Slightly weathered		closely jointed, strong, stained with ferric oxides.	of as 7-48 am: But access the mass and 2000		den, kem cứng chắc đến cứng chắc trung bình,	kích thước 1-5cm đến 10cm, chứa 10-20% sét	xam den	8/ 45.7-48,4m; Moderately weatherd zone.	POROUS BASALT fragments of 1-5cm to 10cm in	size, weak to medium, blackish grey, dark	greenish grey, with 10-20% of blackish grey Clay,			Hazan chạt XII màu xam den, cùng chạc, nư Li minh	9/ 48.4-50.0m; Slightly weathered zone.	~	jointed, strong							Tổ khoan - Orilling Team: Kiểu Xuân Hiểu	Máy khoan - Machine Used: CKB - 4	Not lut mart - Core store at THAC MO CORE HOUSE	Anh non khoan - Core photographed (Yes/No); Yes	Ngày chụp - Dare taking photograph: 10/08/99
	Ket qua SPT Result of SPT. Depth (m) - N Value																	1											To khoan - Orillis	Máy khoan - Ma		$\mathbf{I}$	
d Cautric lo	Sp. St. Indan, myc nubc ngâm va Sp. St. Inday do, vi tri lây mâu. Sc. Cross section of drillinde. D Water levels and date. Samples focation.	ירר ר	2	, <u>•</u>	ب	 		  			د. د. د.			ر ر	,		د و د د د د د د	و. س	 	 		5 -	¢	ر بر د د د		111			- Coordinates	1319 684.84	798 965.99	on; 673.08m	Goc nghiéng - Decilnation: 90' Hudng - Direction :
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Dammer of	(m) noitevel3	5 38.5 634.58 11.5			WW	<u> </u>	6 40.7 632.4 2.2				A:S	6						7 45.7 627.38 5			M(Q)		8 48.4 624.7 2	MS.	(g)	9 50.0 623.08			Vi tri - Site: DN 4 - Quarry site	Khối công - Started: 18/07/99	Két thúc - Floishad: 30/07/99	Do sau - Total depth: 50.0m	
	Hiệp khoản - Qiải n	+	L_g			<u></u>		<u> </u>		50	<del></del>	43.0			d.		45.0	:	46.0		47.0	Ş	_	49.0	1	800	]		· Sile:	Dugo CQUO	Trick.	l Jo	Ty # - Scale:
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-	KO til ngista tidan Permesbiliy test B B B		VIET NAM - ELECTRICITY OF VIET NAM - DONG NAI 3&4 COMBINED HYDROPOWER PROJECT	3		05/10/99 10 SO: 1/4
	O WILL WAY WE WILL WAS A WAY WE WAY		tông công ty điện lưc việt nam - Electricity of việt Thứy điện đồng nai 344 - Dong nai 384 combined hydr	LÖ KHOAN - 81 924D	DRICLHOLE - 91 924D	Ngay 45p 05/10, Oate:
	noteritant fun eta atus priseas mitrin (a) se atus se		TÔNG TRÌNH THỦY ĐIỆN ĐỐNG NAI 344	Mān	ρωρ	Ē
	160]  2			dőc Phạm Văn Măn	thuật Eng.G.O Binh Văn Bồng	išp Pham Van Thú
	Soft groofs  Soft groofs  164 TX  164 TX  160 TX	δ >	CTTVXD02-PECC2 XNXSTHMM-S.G.1.E	Giam doc Otrector	TP. Ký thuất Chief of Eng G.O	Nguồi tập Made tv
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<b>5</b>	# non Hit		NO			
DRILLHOLE	Mo tá dát dá Description of material	1/ 0.0-3.5m; Set måu xåm vång, chåt, nua cung, chúa 10-15% däm cuc cat ket, mem yeu, kich thuốc 1-2m. 1/ 0.0-3.5m; CLAY yellowish grey, stiff with 10-15% of very weak Sandstone fragments of 1-2cm in size. 2/ 3.5-5.0m; Bói phong hóa mānh liệt. Set màu xám tro nhạt, phốt vàng, chật, nùa cùng, chùa 30-40% dăm cuc cát kết, phiếm set, mềm yếu, kích thuốc 1-7cm. 2/ 3.5-5.0m; Highly weathered zone. CLAY light ash grey, yellowish, stiff with 30-40% of very weak Sandstone-Siltstone fragments of 1-7cm in size. 3/ 5.0-39.0m; Bói phong hóa trung blnh. Dām cục cát kết xám tro (clorit hóa) xen kẹp 10-20% däm cục bột kết màu xám đen, nưit nẻ rất mạnh, kém cứng chấc, bế mặt khệ nư dinh bám ôxit sất, có rất nhiều tinh thể pyrit.  yiên thuốc 0.5-1,0cm bám trên bể mặt đá, lẫn 5% sét.	iam: Lê Đức Thọ	Used: XJ 100	NG tu måu - Core store at: TNAC MO CORE HOUSE	Ånh nón khoan - Core photographed (Yes/No), Yes
	Kéi quả SPT: Số búa N Result of SPT: N Vàlue (M/30cm) 10 20 30 40 50		Tổ khoan - Drilling Team: Lê Đức Thọ	Máy khoan - Machine Used: XJ 100	No tu mău - Core st	Ánh nón khoan - Con
	Mat cat va ca'u roc lò khoan, mu'c nuòc nuòc nuòc nuòc no va tri by mau Gross section of orilibose. Water leveis and date. Samples bocation.		řça dộ • Coordinates	1314 149,37	797 330.43	Cao do - Elevation: 451.03m
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	18 225 - 050 b2  8	CW (J-Jn) 2 5.0 446.03	Vi tri - Site: DN 4 - Intake	Khôi công - Started; 08/09/99	Két thic - Finished: 14/09/99	Do sáu - Total depth: 40.0m
	Hiệp khoán - Drill nan Kỳ hiệu dia tếng - Index	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	/ith - Site:	chởi cóng - S	Kết thác - Fin	20 - Jo2

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Khe nut - Discontinuations	ES STATEMENT WEST CONTROL OF THE PROPERTY READ TO STATEMENT READ T																														<u>TONG CONG TY DIÊN LÚC VIỆT NAM - ELECTRICITY OF VIET NAM PHÝY DIÊN DÓNG NAI 354 - DONG NAI 354 COMBINED HYDROPOY</u>	רס אש	מונרא	Quy You	Cate	3
Rock fabric	polit \$0 polico2 politico 360 politico 360 politico 360 politico 360 politico 360 politico 360			-																											TONG TRINH THÜY E	Phạm Văn Mẫn	Dinh Văn Bống	1		Notado Visa Nobisa
Cấu trúc đá - Rock fabric	Frogs KF hat KF hat Weathering Weathering														32							<u></u>						1				Gam doc	TP, Ky thuat	Chief of Eng.G.O.	Made by	Nguột Kiểm tra
	Core recovery % Color of cs Cubing of cs Rock surengul		·.			0,2			<b>≱</b> ≥							=		o >	Ť	2	_	g (	<u> </u>	— Г	w/wx		2		<b>운</b>	( <del>§</del> ) ≥	REVISIONS DATE					
	NAS th cast cds Description of malerial		3/ 5.0-39.0m; Moderately weathered zone,	Fragments of SANDSTONE (chloritization)	of blackish	closely jointed, yery weak,	f Clay. The surface of joint	was stained with terric oxides, having a lot of	pyrite crystal on the surface of rock.														Om; A set may xam anat,	xám vàng, chữa 30-40% dam cat ket mem		SANDY CLAY HOM	yellowish grey with 30-40% of very weak	Sandstone tragments.			In: L6 Dúc Thọ	Used: XJ 100	the farm of the stone at This MO CORE HOUSE	ופ פון וואלה שני סטיב הפספר	Anh non khoan - Core photographed (Yes/No): Yes	
	Kat out SPT: S6 bus N Result of SPT: N Value (N/30cm)																														Tổ khoan - Orilling Team; Lé Đức Thọ	Máy khoan - Machine Used: XJ 100	the care of	MO AU HIGH - COT ST	Anh nón khoan - Core	
to the color thanks like	mat cut not continue.  Statement of cut to tay mature of cut to tay mature.  Cross section of drillhole.  Water levels and date.  Samples boaton.			\(\frac{1}{2}\)							0110 \$140				: 1 : 1 : 1								• • • • • • • • • • • • • • • • • • • •								Toa dô - Coordinates	1314 149.37	707 220 43	טריטטע ועו	Cao do - Elevation: 451,03m	Goc nghiène - Declination: 90"
\$0.654	The control of the co	<u>::</u> 	<u>:</u>	<u>::</u>	<u>::</u> 			<u>:::</u>	<u>::</u>	: <u>:</u>	<u>::</u>	<u>:</u>	<u>:</u>	<u>:</u>	:::	1		<u>::</u>	: 1	1	: :	<u>::</u>	<u>::</u>	<u>:</u>				::		::: 		×	5	i.	C20 06 - Ele	Goc nghieno
dox yed	High khosa - Drill ru Ky higu dia Ung - Ind Ky 25 kig - Qs Use (M) (My 40 Ge Oso) Ge Oso Ge O		130		14.0			0.01		16.0		12.0		18.0			200	1.	20.0 (2711)		21.0 430.03			(77)		23 23.0		24 24.0			Vi tri - Site: DN 4 - Intake	And Anna Charted Dendard	Section - Marian	Két thúc - Finished: 14/09/99	Dó sáu - Total depth: 40,0m	

159	Philoteanss																						-							VIET NAM HYDROPOWER PROJEC	Gial doan: NCKT	F/ S Stage	10 50; 344 Sheet No:	Sings 180.
wyw (i	KO thi oghism the color of the																													I VIÈT NAM - ELECTRICITY OF VIET NAM I - DONG NAI 3&4 COMBINED HYDROPOWER PROJECT	LÓ KHOAN - BI 924D	DRILLHOLE - BI 924D	Ngay Lap 04/10/99	So heu ban ve:
Khe raf - Discontinuities	Cóc rophiling Back tha not Saecing Bachness Bachness Bachness Bachness Bachness																													TÔNG CÔNG TY ĐIỆN LỰC CÔNG TRÌNH THỦY ĐIỆN ĐỐNG NAI 384	n Mån	. Bống	n Thủ	
Cau Inc da - Rock labre	16/17)																													CC2 G.1.E	Giảm đốc Phạm Văn Mẫn Director	P. Ký thướt Binh Văn Bồng et of Eng.G.O	Nouth Bo Pham Van Thú	Nouth Kiem tra
ų	Son such stands to a property of the stands	M/MA			<del></del>								*							. · 		:		<u>.</u>	•					DATE CTT		- <del>Ē</del>		Ž
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	Ti lệ nốn % Core recovery	<b>S8</b>	-	ន -	-	8	=	02	=	s	3 -				8	±= 			<u>۽</u>	} <del>-</del>		8	-		Ţ	æ :	-	8	-	REVISIONS	- 1	-		
		chiém			, , , ,	kűt xen		S S	SANDSTONE								٠. '			cat kết chiếm	: :	ş o								Ø		:		
	Mo ta cat dá Description of matenal	+ Boan 25.0-26.0m; Dam cục cát kết	95%.	occupies 95%		+ Boan 26.0-29.0m: Dam cuc bột		+ Section 25.0-29,0m; Fragments	SILTSTONE with 50% of SAN	fragments.										+ Boan 29,0-39,0m; Dam cue cat ki		+ Section 29.0-39,0m; Fragments	SANDSTONE occupies 70-80%.							am: Lé Búc Thọ	Used: XJ 100	Not lun måu - Core store at: THAC MO CORE HOUSE	Anh nôn khoan - Core photographed (Yes/No); Yes	
	Két quá SPT: Số bủa N Result of SPT: N Value (N/30cm)																						· 4-							Tổ khoan - Orilling Team: Lê Đức Thọ	Máy khoan - Machine Used: XJ 100	Not you mile - Core sto	Ánh nón khoan - Core	
Mật cất và cấu trúc tổ	ancen, mor moc ngam va ngay do, vi tri fdy måu, Gross section of drillhole, Water levels and date, Samples location.									 		01.6	150																	Toa dó - Coordinates	1314 149.37	797 330.43	Cao dó • Elevation; 451,03m	Goc nghieng - Declination: 90"
	รูรอบทุวเน		<u>:  :</u>	<u>;</u> ;	1:	::	1	<u> </u>			<u>::</u>		<u>:</u>	0.10	6/3/3		<u>::</u>	:   ;	1:	<u>:::</u>				1:	<u>::</u>	<u>::</u>		<u>::</u>		Toa do	×	<b>5</b> :	30 66 · Elev	Goc nghieng - Dec
Softom of layer	Chiéu dày hógi Elevation (m) Cao dó Cao nó Cao no no Cao nó Cao no no no Cao no Ca		26.0 425.03		200		28.0		29.0 422.03		e S			31.0 (424)		စ္က		33.0		2.5		35.0			2		~ ~ ~		38.0	Vi tri - Site; DN 4 - Intake	Khởi cóng - Started: 08/09/39	Kết thức - Finished: 14/09/99	86 sav - Total depth: 40.0m	9

	T		S S S S S S S S S S S S S S S S S S S	Š	, l	4/4
	Ghi chú Remark		NAM TET NAM	AGAS HANA-SULE LONG TRIPR THOU DIER DOING NAT SON COND. BY SOND GIS GOOD NORT OF CONCESS.	F/ S Stage	To so: Sheet No:
	ki) thi nghiệm thi Permeabhily tes		OTY OF V	ę	0,52	8
	Mat 66 khe nët Yanaugani enerenî	∞≥	TONG COMG TY DIEN LUC VIET NAM - ELECTRICITY OF VIET NAM	LÓ KHOAN - B! 9240	DRILLHOLE - B: 9240	Ngày láp 04/10/99 Date:
outies	POLY INT Takin QU YAD 18 (mm) ezanabirit ilia	8 = 1	NAMA THE	LO KHO	ORICH	Ngày 15p Date:
nit - Discontinuties	Chal tag chiel	\$ \$ \$ *	N. C.C.C. V.	ģ		-
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k tabric	გიგენიშეთ გიგენიშეთ გიგენიშეთ გიგენიშეთ	50-70 30-35 20-30 40-50		Phạm Văn Mẫn	Dinh Van Bóng	Pham Van Thú
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Cale tru	Westbering KT hat Grain size Logi	× ×	CTVXXD02-PECG2	Gam d	TP, Ky thudt Chief of Eng.G.O	Made by
-	Rock strength	WAW MW (V/V III SW III III III III III III III III		<del></del>		-
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	M non M II Kore recover %	8 -	REVISIONS			- i
		mau trung TONE	9			
		to ket xen kep cát ket máu sm sáng, cúng chác trung n, ILTSTONE WITH SANDSTONE				
	da't da ol materia	ing, cun				
	Mo tả dất đá Description of material	: Bột kết xám sá tạnh. : StLTST			RE HOUSE	No): Yes
		4/39.0-40.0m: Bột kết xen kep cát kết màu xảm đen vết xám sáng, cừng chắc trung bình, nữ nệ mạnh, 4/39.0-40.0m: SILTSTONE WITh SANOSTONE	jointed, medium, but the But Tho	8	C WO CO	phed (Yes
		4/ 39 Xam Vinh. 4/ 39		Leed: X	Pe at H	photogra
	: SS blue h T: N Value Cm)			Machine	Se st	Yoan - Con
	Két aud SPT: Số bus N Result of SPT: N Value (N/30cm)		jointed, med jointed, med favor. 14 Boc Tro	Máy khoan - Machine Used: XJ 100	Not has male - Core store at: THAC MO CORE	Anh non khoan + Core photographed (Yes/No); Yes
				75.	797 330.43	T
	Mat cat va cau true to khoan, mye nuce nuce negatin valungay do, vi tri tây malu. Cross section of drillhole, Water levels and date. Samples location.	21.9 6.00 6.00 6.00 6.00 6.00 6.00 6.00 6.		1314	797	Cao dộ - Elevation: 451.03m
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Đây lớp	8 (m) flyq=0 8 (m) flyq=0 8 (b) 06.0 (m) froisysi3	39.0 412.03		88/80/3	14/09/99	10.0m
	So lop - Class Ni So lop - Class Ni Too			Khởi cóng - Started: 08/09/99		Dó sáu - Totat depth: 40.0m
11-	nan lind - nsoda gailt stot - nast sin usid s'	MW (01/fr) 0.2E		S - Bugo	Ket thic - Finished;	du - Tota

		Ghi chi Remark		TONG CONG TY DIEN LUC VIET NAM • ELECTRICITY OF VIET NAM CONG TRINH THIY DIEN EGING IANI 384 • CONG NAI 384 COMBINED HYDROPOWER	Gial doan: NCKT	7.5 Stage 10 so	Sheet No: 1/4 F/S DH : 2/5	
		hin sith by 1844 Fraches lisquency K D'skn by nghiện li		TÔNG CÔNG TY ĐIỆM LỰC VIỆT NAM - ELECTRICITY OF VIET NAM INH THỦY ĐIỆM ĐỐNG NAI 38,4 - DONG NAI 38,4 COMBINEO HYOR	LÓ KHOAN - 81 9250	DRILLIMONE - BI 9250	8	92 52
	Discontinuities	13-Sn Q3F 13-SD 84 Q7F M3 13-Sn Q3F Q1D 138 (mm) 22-Sn Sn M3		C VIĘT NAM - E AI 384 - DONG	LÖ KHOAN	DRILLIMON	Oate: O6/10 So hiệu bản vê:	Orawing No
	Khe nữ - Disco	Mary 60 Poughness Pough Per Mary Mary 1855		NG TY BIEN LUI BIEN BÓNG N				
		notisnitoni gnitisto oco notisnitoni notisnitoni fin aria otus pnoses		TÔNG CÓN TRÌNH THỦY	Phạm Văn Mẫn	Dinh Văn Bồng	Le Thanh Châu Nowên Văn Nohieb	
	Cấu trúc đá - Rock (abric	(60) 60% 60 60% 60 60% 60			<u> </u>			]
	Ser	Rock strength shong hosely grandestw Ign TA size ning	<b>8</b> >	OATE XXXSTHMN-S.G.I.E	Gish Pilo	Chief of	Made Made	Checked by
	_	Croud og qg		J				
BI 9250	<del>  ,</del>		(8)	REVISIONS				2
LÔ KHOAN DRILLHOLE		Mo ta dat da Description of material	17. 0.0-3.1m: A set mau vang it xam trång, deo cung, chật trung binh. 17. 0.0-3.1m: SANDY CLAY yellowish grey speckled whitish grey, medium stiff. 27. 3.1-19.0m: Set, å set måu xam vang nåu, nåu ob, tim nhat, nåa cimg, chật vửa, lần 10% dâm cát kết mềm yếu, 27. 3.1-19.0m: SANDY CLAY brownish yellowish grey, reddish brown, light violet, stiff, with 10% of very weak Sandtone fragments.	eam: Quyển Đinh Binh	e Used: YTB 50	NG IQU mar . Core store at: TMAC MO CORE HOUSE	Ann non khoan - Core pholographed (Yes/No): Yes	
		Kef. qud. SPT: S6 buia N Result of SPT: N Value (M/30cm) 10 20 30 40 50		To khoan - Drilling Team: Guyên Binh Bi	May khoan - Machine Used: YTB 50	No luu mãu - Core s	Anh nón khoan - Co	Ngay chup : Date taking priotographi
	Mat cát và cấu trừc tổ	2 .		Toa do - Coordinates	1314 231,14	797 271,31	Cao dó - Elevation: 507.31m Góc nghiêng - Declination: 90°	. 160
	War cal	zeşintəir∏		702 S	×	ÿ	Cao dó - Elevation: 507,31m Góc nghiêng - Declination: 9	Hudng - Direction
		So top - Chass M.  So top - Chas	\$ <del>\tilde{\tilie}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}</del>	DN 4 - Intake	Khôi cóng - Started: 23/09/99	Két thùc - Finished: 28/09/99	2	00:
	-	Hiệp khoán - Orill ri Xý hiệu địa tá sọ - Inc	20 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		Khốt cóng - S	KAR thúc - Fin	D6 sdu - Tota	Ty Te - Scale:

wjvi	Coul no nest processorily in the nest processorily in the nest process (mm) with 60 km and 100 km a														TONG CONG TY DIEM LUC VIET NAM - ELECTRICITY OF VIET NAM COME TRINH THUY DIEM DÓNG NAI 384 - DONG NAI 384 COMBINED HYDROPOMER	LÖ KHOAN - 81 9250 Giai doan, NCKT	DRILLHOLE - 81 9250 F/ S Stage	S 66/01/90	So hieu ban ve. F/S - DH 25 Orawing No:
Khe nit Orsco	Wall hardcess Bob chose Bo														TONG CONG TY DIỆN LỰC IAN ĐỘIN ĐIỆN ĐỘNG NAI	. Mån	96ng	Cháu	Nghiệp
úc da - Rock fabric	1603 8471 60315922 60315922 60316001 00316003001														İ	Æ	thuật ng.G.O Dinh Văn Bồng	tap Ld Thanh Cháu by	im tra Nguyễn Văn Nghiệp d by
Cau true	Principal National Na	44		` 	₹ >	· · · · · · · · · · · · · · · · · · ·	<del>.</del> 1			<u>≩</u> ≥	<del></del>				CTTVXD02-PECC2 XNKSTHMN-S.G.(.E	Giám dóc Director	TP. Ky thudt Chief of Eng.G.O	Made by	Nguoi kiém t Checked by
	Sb gb goduð rúgestiz koefi sbf georfi			<del></del>				- 1		<b>}</b> >					양표	1			
	¥ 008	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-		o >										REVISIONS			1	
%	Core recovery Prescovery		. •	0	<u>§</u> >					1 .		 			REVI			•	HKS.
							**	t. chật 14 kết. Chặc	E SA	ight.	eak to	က် ဝ		gments	ş				REMARKS
	Mó tá dát dá Description of material						3/ 19.0-37.0m; Đới phong hóa mãnh liệt,	Sét màu xâm lục, vàng nâu, tím nhạt, chất vùa, nữa cứng, lần 30-40% dâm cực cát kết, bợt kết mềm việu, dòi khi kém cứng chắc,	kich thước 3-5cm đến 10-15cm, dinh bám oxit sắt.	3/ 19,0-37,0m; Highly weathered zone, CI AV greenish grev, brownish vellow, light	violet, very stiff with 30-40% very weak to	weak Sandstone-Sittstone Iragments Scm to 10-15cm in size.	+ Đoạn 19.0-25.0m; Sét lẫn dâm bột kết.		т. Ovyfn Diah Binh	ked; YrB 50	Not bu måu - Core store at: THAC MO CORE HOUSE	Anh non khoan - Core photographed (Yes/No): Yes	g photograph: 05/10/99
	Result of SPT; SG bus N Result of SPT; N Value (N/30cm) 10 : 20 : 30 : 40 : 50		B		88	3		***************************************							Tố khoan - Drilling Team: Quyển Định	Máy khoan - Machine Used: YTB 50	Not lus måu - Core store	Ánh nón khoan - Core p	Ngày chup - Date taking photograph:
Mat cát và cáu trùc lễ	\$									1.1.1					Toa 66 - Coordinates	1314 231.14	797 271.31	Cao dó - Elevation: 507.31m	Goc nghiéng - Declination: 90" Huma - Direction :
Mat	khoan, my ngày do Cross se Water k														10.80	×	<b>3</b>	do - Eleval	nghiéng .
Day lop	SG 169 - C1255 W  De 510 (m)  C20 65 (m)  C20 65 (m)  E14v21con (m)  E14v21con (m)  Thickness						2 19.0 488.31 15.9								25 25.0 402.31 Uj tri - Site: DN 4 - Intake	Khởi cóng - Started: 23/09/99	28/09/99	Bộ sấu - Total depith: 40.0m Cao	1:100 Hum
	פעל וצה. ביהויה ויל	1								-					:	Ϊ́	Kft thúc - Phished:	등	1

	GH Chù Remark		TET NAM	Giai doen: NCKT	F/ S Stage	Sheet No: 3/4 F/S + DH + 25
₩ <b>j</b>	CAST US ONE!  FAR TOO ONE  RE GAY US ONE  FAR TICKNES (TOO)  MALE ON TOO ONE  FAR TICKNES (TOO)  WAS CONTROLLED  FAR TICKNES (TOO)  FAR TOO ONE  FAR TICKNES  FAR TOO ONE  FAR TOO ONE  FAR TOO ONE  FAR TOO ONE  FAR TOO		TONG COME TY DIEN LUC VIET NAM - ELECTRICITY OF VIET NAM PARE PROTECTION OF AN AND SAF CHARACTER STATEMENT OF THE SAF CHARAC	LÖ KHOAN - BI 9250		06/10/99 u tan we:
Khe mit - Discontinuties	noteniont for etal obes priseos mitta (va esentocia prito (va esentocia esentocia esentocia		TONG CONG TY DIEN LUC	Aln	Sng	Mac
14 - Rock fabric	60/7 \$0.50 60 \$0.50 60			_ ŧ		tra Nemalo Vão Mehido
Cate true da	Phong bas Westhering KT Tag Esia pissa Logi			Giam doc Director	Chief of Eng.G.O	Made by Người kiểm tra
٠.	Social Social de dá dá Alguaria	<b>3</b> >	+ <u>°</u>	_		_
- 1	% 908		REVISIONS			
*	TI W non	o (g) > 3 (g)	≨ & 2	-		0.704140
一年 一年 一年 一年 一年 一年	Mo tá dát ds Description of material	Doan 25.0-26.0m: Sét lån dam cat két.  Section 25.0-26.0m: CLAY with fragments of Sandstone.  Doan 26.0-34.0m: Sét lån dam cuc böt két.  Section 26.0-34.0m: CLAY with fragments of Siltstone.  Doan 34.0-37.0m: Sét lån dam cat két.  Section 34.0-37.0m: CLAY with fragments of Sandstone.	16 khoan - Onlling Team: Oxyén Omh Binh	Used: YTB 50	No hu måv + Core store at: THAC MD CORE HOUSE	s/No): Yes
	Két qud SPT; Số bủa N Result of SPT; N Value (N/30cm)		T6 khoan - Orilling Te	May khoan - Machine Used; YTB 50	Not but mile . Core sto	Anh non khoan - Core photographed (Ye
Mat cat va calu truc 16	4 .		Toa d6 - Coordinates	1314 231,14	797 271.31	Cao dó - Elevation: 507,31m Góc nghiêng - Declination: 90 <sup>d</sup>
H	Chilly day Movie, my prices see Water to Sami	35.2	70s 05	×	<i>&gt;</i>	Cao do - Eleva Góc nohidno -
Day top		3 37.0 470.31	38 38.0	Khởi cóng - Started: 23/09/99	hed: 28/09/99	Bo sau - Total depth; 40,0m
xap.	ni - godi dib uşin yx	35.0 (C <sub>1</sub> -l <sub>1</sub> -l <sub>1</sub> ) 30.0 (C <sub>1</sub> -l <sub>1</sub> -l <sub>1</sub> ) 30.0 (C <sub>1</sub> -l <sub>1</sub> -l <sub>1</sub> ) 30.0 (C <sub>1</sub> -l <sub>1</sub> -l <sub>1</sub> -l <sub>1</sub> ) 30.0 (C <sub>1</sub> -l	38.0 Site: DN	o - Star	Kět thúc • Finished:	Bo sau - Total d

	Gh chù Remark				TONG CONG TY DIEN LUC VIET NAM - ELECTRICITY OF VIET NAM CONG TRINH THEY DIEN OÓNG MAI 344 - DONG NAI 344 CONBINED HYDROPOWRR	Glai doan: NCK7	F/ S Stage	10 50: 4/4 Street No:	
	Yorkey trequency A máideo lúi OX ai Yilideomis?				TÔNG CÔNG TY ĐIỆN LỰC VIỆT NAM - ELECTRICITY OF VIET NĂM ÎNH THỰY ĐIỆN ĐỔNG NAI 384 - DONG NAI 384 COMBINED HYDR	81 9250	Bt 9250	0.29	Ī
žes	1840 qli yto 88 (mm) ezanlaidi Bil Yon ani 60 18M				T NAM - ELE	LÓ KHOAN - BI 9250	DRILLHOLE - BI 9250	Ngày lấp 06/1 Date:	d Policy
Khe nuth - Discontinuities	EUL TYPE  Chát lấp nhất  Wai haidness  Eỷ cũng				DÉN LUC VIE				-
Xhe ack	Fin eth other  princes  princes  mkn 60  seenhoose  prince 63				S CONG TY E				
abric	politican 263 politicant politicant politicant for edd 24.8				TONG TRINH	Phạm Văn Mẫn	Dinh Van Bống	Lé Thanh Cháu	
Cáu trúc dá - Rock fabric	igol 1708 600 60 600662				2-FECC2		TP. Ky thuất Đi Chiel ol Eng G.O		Т
S	Phong hos Westhering KT hst Grain size					Gam doc Director	Chiel of	ond <sub>N</sub>	
	80 60 gnGuO fignatie AboR				VS DATE	1 1			l
	TH IN USA Core recovery %	λ = 8 = 0.5			REVISIONS				
		thước sất, lớc	· · ·	ilina Tari	ð				]
	Mo tå dáf då Description of material	a/ 37.0-40.0m: Búi phong hóa trung binh. Dam cục cát kết màu xám sáng, xám đen kem củng chác dòi khi mềm yếu, kích thước 3-7cm dốn 10-15cm, dinh bám ít oxit sắt, chùa 20-30% á sét, á cát màu xám phời lưc, phân bố không dấu. 4/ 37.0-40.0m: Moderately weathered zone. SANDSTONE tragments of 3-7cm to 10- 15cm in size, light grey, blackish grey, weak to very weak, with 20-30% of greenlish Sandy Clay, Clayey Sand.			m; Հայժո Սinh Binh	Used: YTB 50	THAC MO COME HOUSE	Anh non khoan - Core photographed (Yes/No): Yes	
	Ket aud SPT: So bus N Result of SPT: N Value (N/30cm)				Tổ khoan - Orilling Team; Cuyển Định Bính	May khoan - Machine Used: YTB SC	Not tou mau - Core store at: THAC	t I	Г
Mar oft vå offertnie ik	Main Carva can row which may make much myd modern with myd				Toa dû - Condinates	1314,231,14	797 271.31	Cao 66 - Elevation; 507.31m	BAC
1031.55	Thickness				00 eo1	×	<b>*</b>	20 06 - Eleva	
Day top	Season (m) Chievation	7. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.					T		_

## Attachment A2 Borehole Permeability Test

	Gn chù Remark	Na A	) HYDROPOWER	Gizi doan: NCKT	F/ S Stage	Sheet No. 4/4	F/S - DH - 25
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ontinuities	Crât lâp nrêt Fill tyckress (mm) Bê dây lâp nrêt Fill tyckress (mm) Fill tyckress (mm)	AND THE PART OF THE PART OF THE PART OF THE PART	CONG TRINH THUY DIEN BONG NAI 384 - DONG NAI 384 COMBINED HYDROPOWER	LÖ KHOAN - 81 925D	DRILLHOLE - 81 9250	1	Só hiệu bán về Orawing No
Khe not - Discontinuities	Bude the rut Specing Bo cham Roughness Bo cham Boughness	1. H2/10 A. JAN/A. JAN/	H THUY DIỆN ĐỐNG 1	£	0	3	nēp
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Cab Irúc da - Rock tabric	164 TX 1601 1601 9071 9061 \$6	* =	CTIVXDB2:PECC2 XNKSTHMN-S.G.I.E	Guam doc Director	TP. Ký thuát Chiel ol Eno G.D	Ngura iap	Người kiểm tra Checked by
-	fitgosuz dooA sòri gnorig gninsritesW	M ≡ 3 ≥	DATE XX C		5		
F	<b>₹ 0</b> 08 \$5 <b>\$5 \$</b> 000	0>	REVISIONS				
	nỗn kếT Miskossi shoù	52 = 8 =	SEV.			ļ	iks.
	Mo to dat da Description of material	4/37,0-40,0m: Bôi phong hôa trung binh. Dam cục cát kết màu xám sáng, xám đen kém cứng chác đôi khi mềm yếu, kich thước 3-7cm đến 10-15cm, dinh bám là oxit sát, chùa 20-30% á sét, á cát màu xám phốt lực, phân bố không đếu. 4/37,0-40,0m: Moderately weathered zone. SANDSTONE Tragments of 3-7cm to 10-15cm in size, light grey, blackish grey, weak to very weak, with 20-30% of greenish Sandy Clay. Clayey Sand.	16 khoan - Drilling Team: Guyén Binh Binh	e Used: Yrg S0	NG luu mau . Core store at: THAC MO CORE HOUSE	Anh non khoan - Core photographed (Yes/No): Yes	Ngày chup - Date taking photograph: 05/10/99
: <u>}</u>	Ket aud SPT: Só búa N Result of SPT: N Value (N/30cm)		Tổ khoan - Drilling T	May khoan + Machine Used: YFB 50	Not luu māu . Core s	Ánh nôn khoan - Co	Ngày chup - Date tal
A single for the state of	2 6	Ğ.	Toa dộ - Coordinates	1314 231,14	797 271.31	Slevation: 507,31m	Goc nghieng - Declination: 90° Huong - Direction :
	育 (m) noisest3 (m)qdy y (b いふれ) 22551/jult 22551/jult	0 8	\$	×	÷	Go do	Góc nahir Hương - C
doi vod	60 ce3	0 www 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Vi tri - She: DN 4 - Intake	Khởi cóng - Started: 23/09/99	Két thúc - Finished: 28/09/39	Bộ sấu - Totai depin: 40.0m	ale: 1:100
_	un tlinO - neoda q\$ist	39.0	i tri · S	8	er thic	1 m	Tý lé Scale:

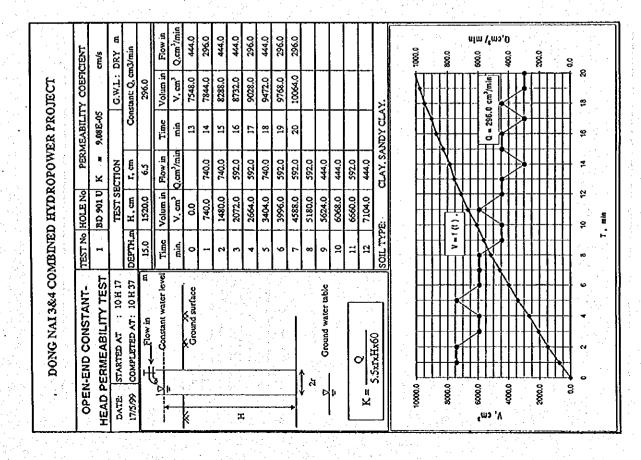




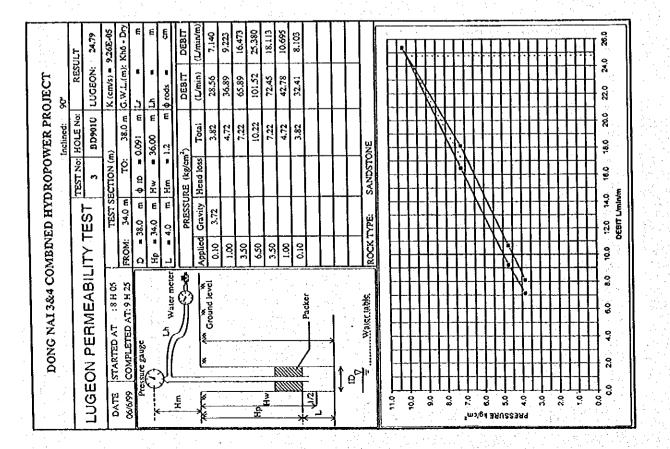
## Attachment A2

**Borehole Permeability Test** 

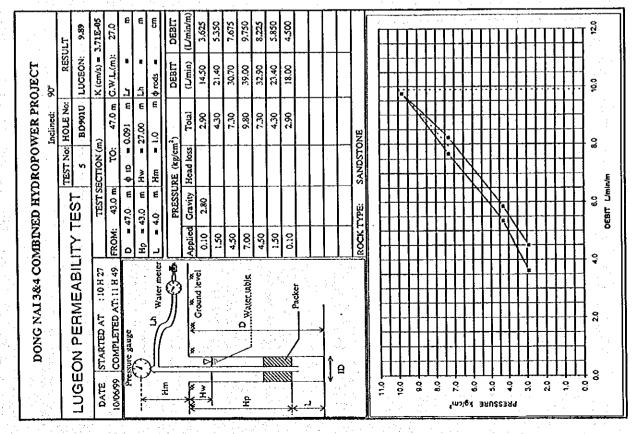
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	TENT	cm/s	DR.Y	3/mm		Flow in	O,cm <sup>2</sup> /min	1036.0	888.0	888.0	814.0	962.0	888.0	814.0	814.0						contain clay	1800.0	00 00 00 00 00 00 00 00 00 00 00 00 00
JECT	COEFICIENT		G.W.L.:	Constant: Q, cm3/min	814.0	Volum in	V, cm³	16428.0	17316.0	18204.0	19018.0	19980.0	20868.0	21682.0	22496.0							i In	ta 28
er pro	PERMEABILITY	2.12E-04		Const		Time	min	13	14	15	16	17	18	19	8						SILTST		217.0
OPOWE	PERMI	K.	CTION	r, cm	5.5	Flow in	him/mo,O		1628.0	1628.0	1332.0	1480.0	1332.0	1332.0	1184.0	1184.0	1036.0	1036.0	1184.0	1036.0	is of SAN		7
HXDR	HOLENO	BD 901 U	TEST SECTION	H.cm	2120.0	Volum in	V. cm	0.0	1628.0	3256.0	4588.0	6068.0	7400.0	8732.0	99160	11100.0	12136.0	13172.0	14356.0	15392.0	SOIL TYPE: Fragments of SAND-SILTSTONE.		5
GBINED	TEST No	н		DEPTH.m	21.0	Time	min.	0	1	2	3	4	5	9	7	8	6	2	11	12	SOIL TYP		(i)
DONG NAI 3&4 COMBINED HYDROPOWER PROJECT	OPEN-END CONSTANT-	HEAD PERMEABILITY TEST		COMPLETED AT: 15 H 35	1 .	Constant water level		A Ground surface							1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	7 ground water	<u> </u>		K = X = X	5.5xfxHx60	24000,0	2200.0 2000.0 2000.0 1, 1200.0 1, 12



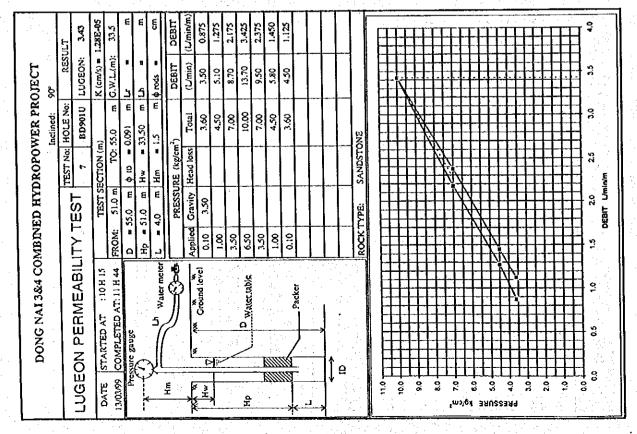
THE PARTY NAMED IN	ı	Γ		· 		_	T	1	ন		- T	<b>-</b>	-T	<b>T</b>	<b>-</b>			-1		_	<b>-</b> -1												W									7
	۲ <u>۱</u>	15.22	5.92E-05	27.0	E	m	S	DEBIT	(Umin/m)	4.082	809	82.5	14.818	10.046	7.178	4.642						[	1	1	-			1	Ŧ			1			_	F		]		16.0		
oject %	RESULT	LUGEON: 15.22	K (cm/s) =	G.W.L.(m):	-	41	■ spoiφ	DEBIT	(L/min)	20.41	30.45	47.59	24.8	50.23	35.89	23.21									\				-			<del> </del>				-		-		0,47		
WER PR	TENT NO. HOLE No.	BD901U	5	43.0 m	m 0.091 m	27.00 m	1.0 m	<u>ئ</u>	Total	2:90	4.30	7.30	9.80	7.30	4.30	2.80					ONE			1	-	1	À	4	+			1				1		- - - - -	+	12.0		
DROPO	TENT NO.	4	TEST SECTION (m)	ğ	ð	» ≥	Нm	PRESSURE (kg/cm²)	Head loss												SANDSTONE					-		Y	1			+	-							0.01	Cmin/m	
чер ну		TEST	TESTS	ı	3	38.0	. 5.0 m	PRESSI	ı ~						_						ROCK TYPE:					-				ľ		1								2	יט דופפס	
MBD		<u>≻</u>		FROM:	Ω	٦	J		Applied	0.10	ا. گ	શ્	ķ.	4.50	1.50	0.10					ğ					† 				+			•			+	+			} ;	-	
DONG NAI 3&4 COMBINED HYDROPOWER PROJECT		LUGEON PERMEABILITY TEST	OH 8: LA Carray ma	COMPLETED A	ssure gauge		Lh Water meter	Hum	* * *	Þ			Hp Water able			*	- Aggregation		<b> </b>	ß					10.0	0.0		8.0	, ,		000	S C C C C C C C C C C C C C C C C C C C	\$ 551	184 184			2.0			0.0		



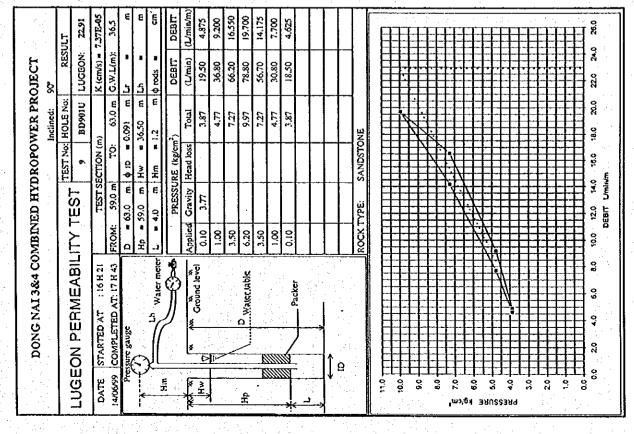
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ĺ			JLT.	3.00	1.12E-05	33.5	_	_	Ģ	DEBIT	(L/min/m)	0.615	1.023	2.060	3.000	1.825	0.860	0:200						*
	oject	26	RESULT	LUGEON:	K (cm/s) =	G.W.L.(m):	1	٠ د	♦ rods =	DEBIT	(L/min)	2.46	4.09	8.24	12.00	7.30	3.44	2.00	1					8
	DONG NAI 3&4 COMBINED HYDROPOWER PROJECT	Inclined:	TEST No: HOLE No:	กาง608	(B)	51.0 m	0.091 m	33.50 m	m 1.5 m	n²)	Total	3.60	4.50	2:00	10.00	7.00	4.50	3.60					ONE	w c c
	YDROPO			9	TEST SECTION (m)	m TO:	= QI ф #	m Hw =	m Hm	PRESSURE (kg/cm²)	Head loss												SANDSTO	SANDSTONE 2.5 2.5
	INED H			ПО ПО	TEST	M: 47.0 m	= 51,0 n	= 47.0	= 4.0 n	PRES	lied Gravity		1.00	3.50	.05'9	3.50	1.00	0.10					ROCK TYPE:	X TYPE: SA
	k4 COMB	4.44	1	אמוריו אמוריו	15 H 10	16 H 39 FROM:	Ω	운	Water meter		Applied		);;	# # # # # # # # # # # # # # # # # # #		3.	<u> </u>						χ Σ Σ	
	G NAI 36			T E E		¥	2		ez/		×	Season Season	- : .	<u>.</u>	Water lable			- C		_  _}				
	NOQ			LUGEON PERMEABILITY	E STARTED AT		H\	<u></u>		-	¥	D	1		ا	2			<i>,</i> =		1	3		
		· ·		<u>3</u>	DATE	11/06/99		۴	-		*	<u>₹</u> ,		-	Η			*	۱	-				FRESSURE Pgicm*



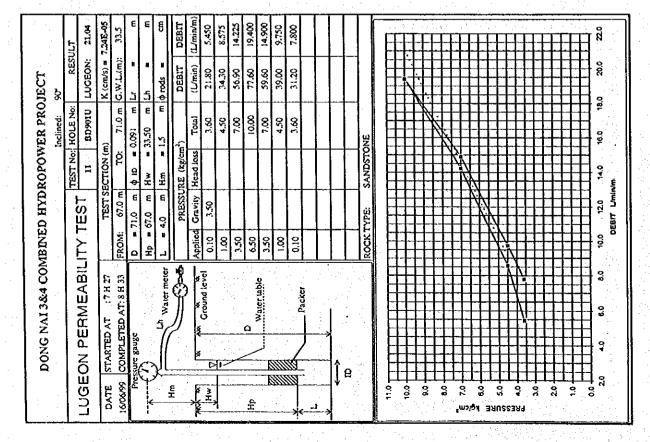
	1.7	3.81	1.42E-05	36.5	E	E	8	DEBIT	(L/min/m)	1,075	1.750	2,425	3,750	2.675	1.950	1,550						
oject	RESULT	LUCEON:	K (cm/s) =	G.W.L.(m):	1	<u>។</u>	⊕ rods =	DEBIT	(Umin)	4.30	2,00	9.70	15.00	10.70	7.80	6.20						· · · · · · · · · · · · · · · · · · ·
WER PR	HO! F	BD901U	Ê	59.0 m	0.091 m	36.50 m	2.0 m	n <sup>2</sup> )	Total	3.95	4.85	6.85	9.85	6.85	4.85	3.95					ONE	So oc
DROPO	TECT No.		TEST SECTION (m)	m TO:	0.0	-	Hm -	PRESSURE (kg/cm²)	Head loss												SANDST	SANDSTONE SANDSTONE 25 30
NED HY		TEST	TEST	ı	8	= 55.0 m	# 4.0 m	PRESS	•			0	0	٥	0	0					K TYPE:	ROCK TYPE:
DONG NAI 3&4 COMBINED HYDROPOWER PROJECT		LUGEON PERMEABILITY TEST	DAT :7H30	~			Vater moter		A W Applied	Ground level 0.10	8	<u>چ</u>	D Water lable 6.00	8	<u> </u>	<u>l .</u>	i i i i i i i i i i i i i i i i i i i				SS SS	2 6 7
DONG		LUGEON PI	DATE CTARTED AT		Pressure gaug			Ę	**************************************	3 1	**************************************		H <sub>2</sub>			*	) = ;	· .	<b>\</b>	9		<sup>1</sup> тоуск аяигеганч 5 5 5 5 5 5 6 6 5 5 6 6 5 6 6 6 6 6 6 6



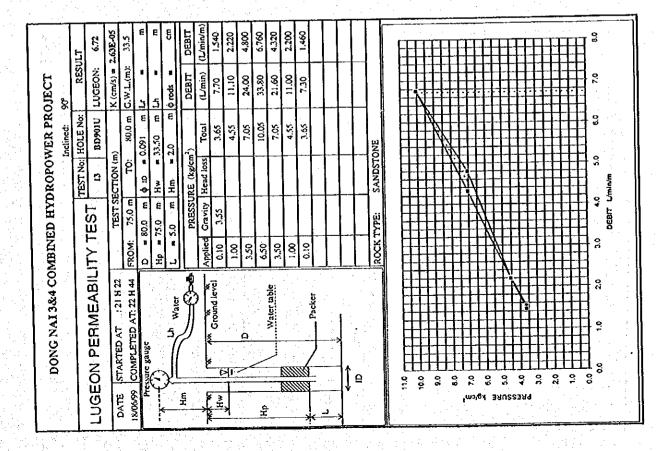
Applied Gravity   Read loss   Total   (L/min)   (L/min/m)
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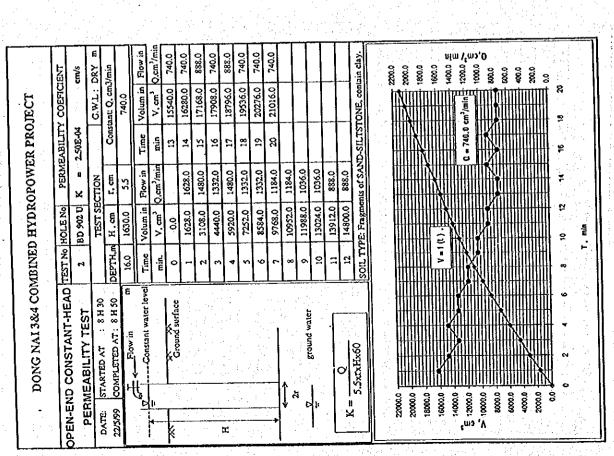
	RESULT	10.52	4.12E-05	33.5	£	ε	5	DEBIT	(L/min/m)	2.040	3.800	6.800	10.580	7.240	4.120	2.860						F	Н		_ _	Ţ	Γ	Ţ			7	Ŧ	H	H	Ŧ	Ŧ	$\prod$		120	
OJECT		LUGEON:	K (cm/s) =	G.W.L.(m);	* ځ	-	o rods ■	DEBIT	(Umin)	10.20	19.00	34.00	52.90	36.20	20.60	14.30													-				-			Ŧ			0.01	
WER PR	HOLE No:	BD901U	(1	75.0 m	m 0,091 m	= 33.50 m	2.0 m	3,	Total	3.65	4.55	7.05	10.05	7,05	4.55	3,65				į	Z.				1														O	
DONG NAI 3&4 COMBINED HYDROPOWER PROJECT	TEST No:		TEST SECTION (m)	ö	2 ↔	3 T	Hm =	PRESSURE (ky/cm²)	Head loss												SANDSTONE					I	7	7								+			10	Umin/m
NED HY		TEST	TESTS	ı	₽	m 70.0 m	■ 5.0 m	PRESS	1			_									ROCK TYPE:		-				-		1	1		+	+			+			0,0	DEBIT UT
COMBD				FROM:	Г	£	-	<u> </u> •	Applied	-	8	85	8,9	<u>နို</u>	8	0.0		Ц			300					1	1		+		Zi Vi	4				+	-		0.4	
VAI 3&4		PERMEABILITY	T :9H27	₹			Lh Water meter		)   	Ground level				Water table		· rede	Packet							H					1			1	\ \ \			+	+		20	
DOOR		Z PE	STARTED AT	COMPLETED	Pressure gauge			7	2			Δ		<u> </u>			<del> </del>	<b>→</b>	<b>^</b>				<del> </del>  -	-			1		+	+			+	+		-	<u>+</u>	<del> </del>		
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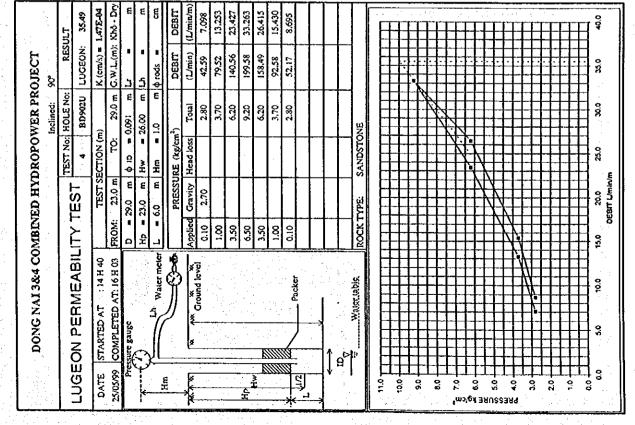
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		HENT	cm/s	DRY m	13/min		Flow in	O,cm³/mia	444.0	444.0	296.0	444.0	444.0		296.0	296.0							+114+114+114+114+114+114+114+114+114+11
	жст	Y COEFICIENT		G.W.L.:	Constant: Q, cm3/min	296.0	Volum in	V, cm³	10064.0	10508.0	10804.0	11248.0	11692.0	11988.0	12284.0	12580.0		-				AY.	
	er pro	PERMEABILITY	1.66E-04		Con		Time	nin	13	14	15	35	7.	128	19	20		_				CLAY, SANDY CLAY.	962 . 0
	topow		*	TEST SECTION	r, cm	5.5	Flow in	LO		1332.0	1036.0	1036.0	888.0	740.0	888.0	740.0	740.0	592.0	592.0	444.0	592.0	CLAY.S	2
	H TYDE	TEST NO HOLE NO	BD 902 U	TEST S	L		Volum in	V. cm³	0.0	1332.0	2368.0	3404,0	4292.0	5032.0	5920.0	0.0999	7400.0	7992.0	8584.0	9028.0	9620.0	PE:	T. nin
	MBINE	TEST No	*		DEPTH	2,6	<u> </u>	<u>.                                    </u>	٥	-	7	3	4	S	٥	7	80	٥	01	11	12	SOIL TYPE:	***************************************
	DONG NAI 3&4 COMBINED HYDROPOWER PROJECT	OPEN-END CONSTANT-	HEAD PERMEABLITY TEST	CTARTED AT	COMPLETED AT:	Flow in	Constant water level		Sround surface							<b>→</b>	<b>\</b>	□ Ground water table	·	\(\frac{1}{2}\)	X	S.SXTXHXOU	12000.0 12000.0 10000.0 4000.0 2000.0 0.0



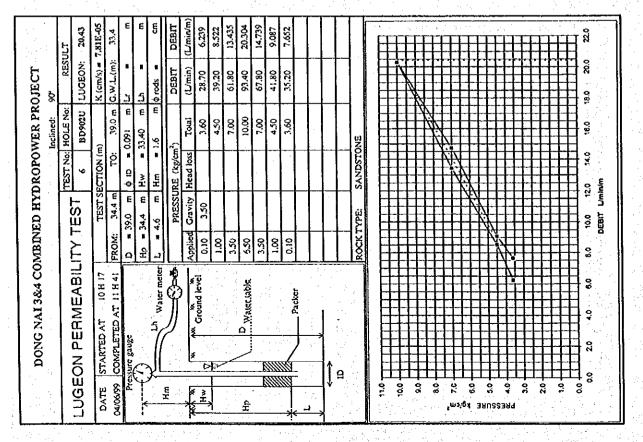
·			<b></b>	r—-1	· 1				<del>, ,</del>	· 	<b></b>				-				<del>- ,-</del>			
		טבת	39,66	1.45E-04	Khó - Dry	E	6	5	DEBIT	(L/min/m)	7.623	11.448	23.82	27.10	13.123	8.77						
	OJECT %	RESULT	LUGEON:	K (cm/s) =	G.W.L.(m):	- -	<u>.</u> "	m o rods =	DEBIT	(L/min)	30.49	45.79	136 20	97.001	\$7.49	3 69						\$ Q
	WER PRO				23.0 m	0.091 m	21,00 m	= 1.2 m	3	Total	2.32	32	27.6	7/0	377	2,					NE	98
	DROPOV	TEST No: HOLE No:	c	TEST SECTION (m)	ģ	0:0	1	Hm =	PRESSURE (kg/cm²)	Hend loss											SANDSTONE	000 000 000 000 000
	VED HY		TEST	TESTS	l	ន		4.0 m	PRESS	~	222										ROCK TYPE:	▐▕▐▔▊▊▊▊▊
.	памс		<u></u>	L	FROM:	۵	운	پين	Ļ	- Applied	9.5	8	8 8	ဂ္ဂ ဂ	3 8	3 2	3				S S	
	DONG NAI 3&4 COMBINED HYDROPOWER PROJECT		LUGEON PERMEABILITY	: 13 H 45	۲,			Water meter		×	Ground level						- Packer			. 5	Water (ab)s	a a
	DONG N		ON PEH	STARTED AT	COMPLETED	Sare gauge	Ç	5         	נ <i>ק</i>	¥								<del>,</del>	1.	:  ≏		9.0
			LUGE	DATE		1 2 2			Ĕ	***			3	Z E			÷	1	1	-   		"m>be1 эмуггэнд 5 5 8 5 8 8 4 4 8 9 5 8



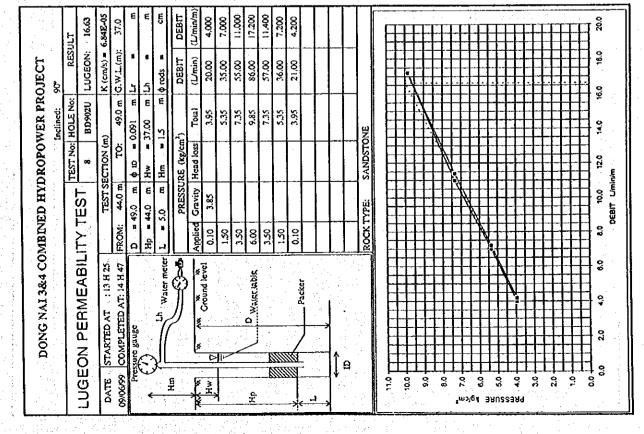
NED HYDROPOWER PROJECT  TEST SECTION (m)  TEST S	3&4 COMBINED HYDROPOWER PROJECTION (m)  EABILITY TEST   TEST No.   HOLE No.   19 H 15   TEST SECTION (m)   K (cm.   10 H 10 = 34.4 m   Hw = 15.7 m   C.W.   10	TY TEST   TEST No.   HOLE No.	F	RESULT	EON: 27.63	K (cm/s) = 1.09E-04	G.W.L.(m): Kh6 - Dry	E	E	up = s	DEBIT DEBIT	(L/min) (L/min/m)		55.89 10.350		145.79 26.998	92.49 17.128	66.49 12.313	42.25 7.824							I								30.0
NED HYDROPOWER  TEST SECTION (m)  1. 29.0 m TO: 3  2.9.0 m Ww = 31.70  2.9.0 m Ww = 15  PRESSURE ((eg/cm²)  A 4 4  A 4 4  C 5 0 0 0 0 0  A 4 4 4  C 5 0 0 0 0 0  A 4 4 4  A 4 4 4  A 4 4 4  A 4 4  A 4 4 4  A 6 6  A 7 7 7 8  A 7 8 8  A 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	3&4 COMBINED HYDROPOWER  Inclin  19 H 15  19 H 15  19 H 15  10 H 36  10 H 15  10 H 1	DONG NAI 3&4 COMBINED HYDROPOWER    Done   D	r PROJE(	E No:	MOSON TOCEON:	K (cm	8	ш	£	m d rods	aa		_	-	-				_					1					<del> </del>	+		-	<u>+</u>	35.0
NED HYD  TESTS & 250 m   1	3&4 COMBINED HYD  EABILITY TEST  19 H 15  19 H 15  TEST SE  19 H 15  TEST SE  10 H 3	DONG NAI 3&4 COMBINED HYD  NO PERMEABILITY TEST  STARTED AT: 19 H 15  COMPLETED AT: 19 H 15  COMPLETED AT: 10 H 36   ROPOWER	EST No: HOL		(m) NOLL		١.	•	Ì	E (kg/cm²)	ssol be	3	4	9	6	9	4	3			SANDSTONE	1		1				+	-				20.0	
	3&4 COMBIN 19415 19415 199415 100436 100916	DONG NAI 3&4 COMBID  STARTED AT: 19 H 15  COMPLETED AT: 19 H 15  STARTED AT: 19 H 15  COMPLETED AT: 10 H 36  STARTED AT: 19 H 15  COMPLETED AT: 10 H 36  STARTED AT: 19 H 15  COMPLETED AT: 10 H 36  STARTED AT: 19 H 15  COMPLETED AT: 10 H 36  STARTED AT: 19 H 15  COMPLETED AT: 19 H 15  STARTED AT: 10 H 1	NED HYD			TEST SE	i	34.4 E	29.0 m	S.4 m	PRESSUR	Gravity													-  -  -		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1	<del>                                     </del>		<del> </del>	+		200



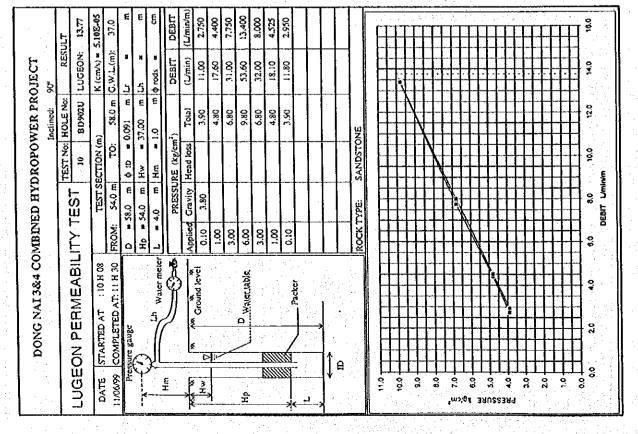
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T RESULT	34.2	E E	Ę	DEBIT	(L'min/m)	6,240 645	10.520	14.720	10.960	6.840	4.680					F		<del>-</del>	-	1	H	<del>-</del>		 	=  -	= 	<del>-</del>	== 	1	== 	7 5	
OJECT %************************************	K (cm/s) = G.W.L.(m):	3 5	a spou o	DEBIT	(Umin)	31,20	52.60	73.60	\$4.80	34.20	23.40						•	1	1	-					-						1	
YDROPOWER PRO Inclined: TEST NO. HOLE NO.	CTION (m)	ф то = 0.091 m	Hm = 1.0 m	URE (kg/cm²)	Head loss	3.62	7.02	10.02	7.02	4.52	3.62				SANDSTONE																100 120	
MBINED HY	TEST SI FROM: 39.0 m	1415	5.0	, ,		0.10	3.50	6.50	3.50	0.1	0.10	1	 		ROCK TYPE:			1				1	1	1			<u> </u>					OEBIT
DONG NAI 3&4 COMBINED HYDROPOWER PROJECT Inclined: 97 TEST No. HOLE NO. RE LUGEON PERMEABILITY TEST 7 REPORTED LIGGOR	DATE STARTED AT :17 H 27	ssure gauge	Ly Water meter		* A* Ground level	<u></u>		Hp D. Water, able						A		0,11	0.01		0.6	8.0			0.0	0.0 %	(ESS		3.0	2.0			0.0	



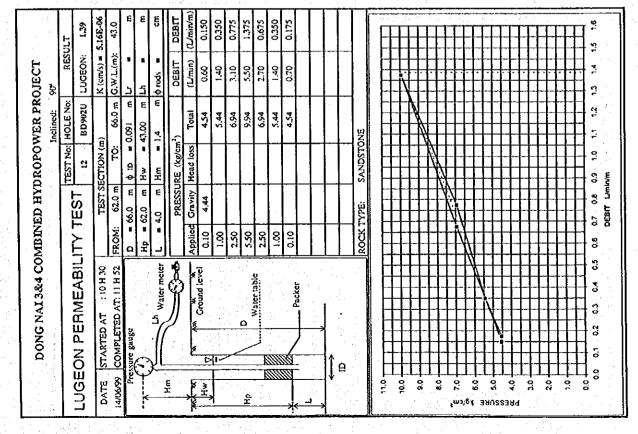
							····		-	~~		· ·	т			7			-7		-7			-		-0				سده					W14-20				
	JLT	13.09	5.108.05	37.0	ε	£	CD	DEBTT	(L/min/m	2.600	4.200	8,320	12.800	8.660	4.480	2.680						P			П	Ţ	-		7	F	П	Ŧ		Ţ		1	<u>Ţ</u>	٤	
JECT		UCEON:	(cm/s) =	.W.L.(m):	,	a q	rods =	DEBIT	(L/min)	13.00	21.00	41.60	8.8	43.30	22.40	13.40							•	V														2 2	
VER PRO	_			54.0 m G	£	£	E	1,	Total	3,93	4.83	7.33	9.83	7.33	4.83	3.93					ZE					À											+	9	
DROPOV			ECTION (m	ŢŌ:	0.0	ļ	Hm m	JRE (kg/cm <sup>2</sup>	Head loss												SANDSTO			-		1	1	/	1	-		+		+			+	:	Uminum
VED HY	1	TEST	TEST S		54.0 m		я 0.3 г	PRESSU	_												TYPE:			1			1										-		ᆵ
COMB		-  -  -	8		۵		for L	49	1		8.	3.50	9.00	3.50	8.	0.10					ROC	-		+			†			1		1			<del> </del>		#		
AI 3&4 (		MEAB	: 10 H 2	AT: 11 H S			Water me		*	nound leve			/ater.table			Droke		. 1														Ţ						] ¥	
OONG N		2 PER	ARTED AT	MPLETED	e gauge		5	<i>!</i> !	*			!	Δ <u></u>				<u> </u>	_	_	•		-					-			-					-		+	}	
		UGEO!			1 12		 }	E T	¥ ¥	==		7.	윺						<b>}</b>	<u>a</u>		11.0		1		88						34°		<u> </u>	1 2 2	Ц	1	       	
	Š	DONG NAI 3&4 COMBINED HYDROPOWER PROJECT  Inclined: 90* TEST No.   HOLE No.   RESULT	30.00	NG NAI 3&4 COMBINED HYDROPOWER PROJECT  Inclined: 90*  Inclined: 90*  PERMEABILITY TEST No. HOLE No. RESUL  TEST No. HOLE No. RESUL  TEST SECTION (m) K (cm/s) = 5.1	NG NAI 3&4 COMBINED HYDROPOWER PROJECT   Inclined: 90"	NG NAI 3&4 COMBINED HYDROPOWER PROJECT   Inclined: 90°   RESULT	NG NAI 3&4 COMBINED HYDROPOWER PROJECT   Inclined: 90°	NG NAI 3&4 COMBINED HYDROPOWER PROJECT   Inclined: 90"   SESULT   PERMEABIL TY TEST   9   BD902U   LUGEON: 13.4	NG NAI 3&4 COMBINED HYDROPOWER PROJECT   Inclined: 90   RESULT	NG NAI 3&4 COMBINED HYDROPOWER PROJECT   Inclined: 90°   RESULT	DERMEABILITY TEST   TEST No. HOLE No. RESULENCE ACTION (m.)   TEST No. HOLE No. RESULENCE ACTION (m.)   TEST SECTION (m.)   TEST SECTION (m.)   TEST SECTION (m.)   TO. SAO m. G.W.L.(m.)      D	DERMEABILITY TEST   TEST No: HOLE No: RESULETED AT: 110H 28   TEST SECTION (M)   ROWEN PROJECT	DEBMEABILITY TEST   TEST No: HOLE No: RESULTED AT: 110 H 28   TEST SECTION (m)   MOLEON: SUPPLY TEST SECTI	DEBMEABILITY TEST   TEST No: HOLE No: RESULTED AT: 110 H 28   TEST SECTION (M)   RESULTED AT: 111 H 50   RESULTED AT: 110   RESULTED A	PERMEABILITY TEST	DEBMEABILITY TEST	D	DEBMEABILITY TEST	DEBMEABILITY TEST	PERMEABILITY TEST	DERMEABILITY TEST   TEST No: HOLE No: RESULTED AT: 10 H 28	PERMEABILITY TEST	DEPAIL State	PERMEABILITY TEST   TEST No.   HOLE No.   RESULTED AT. 11 H SO   FROM:   A9.0 m   TO.   54.0 m   C.W.L.(m):   A9.0 m   TO.   54.0 m   Lh   =   1.50 m   Hm   = 1.3 m   Apoids   13.00     1.00	PERMEABILITY TEST   TEST No.   HOLE No.   RESULTED AT: 10 H 28   RESULT NO.   HOLE No.   LUGBON:   PERD AT: 11 H SO   FROM:   49.0 m   Ho.   54.0 m   Lh   =   1.0 m   Ho.   1.00 m   Lh   =   1.00 m   Lh   =	PERMEABILITY TEST   TEST No.   HOLE No.	D	PERMEABILITY TEST   TEST No.   Hollined: 90°   NO.   N	PERMEABILITY TEST   Test No.   House   Str.	PERMEABILITY TEST   1	PERMEABILITY TEST   TEST No. HOLE No. RESULTED AT.: 10H 28   TEST SECTION (m)   TEST SECT	PERMEABILITY TEST   10 to 10 t							



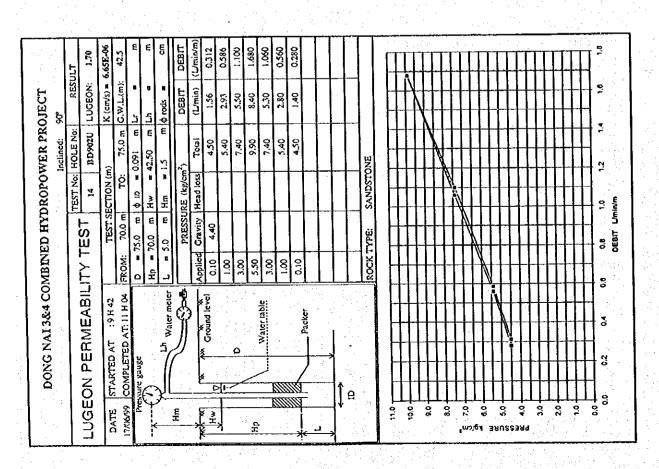
	7 11300	5.67	2.11E-05	43.0	Ε	E	æ	DEBIT	(L/min/m)	1.550	2.250	3.625	5.650	Š.	222	1.225				
OJECT	3	LUGEON	K (cm/s) =	G,W.L.(m):	٦.	<u>+</u>	♦ rods	DEBIT	(Umin)	6.20	8.00	14.50	22.88	2,80	8.8	4.90				÷
HYDROPOWER PROJECT	Inclined:	RD902U	ĉ	62.0 m	0.091 m	43.00 m	m 1.7 m	3)	Total	4.57	5.47	6.97	26.6	6.97	5.47	4.57			ONE	2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
DROPO	;	TEST No.	TEST SECTION (m)	ç	Ω Φ	*	Æ	PRESSURE (kg/cm²)	Head loss										SANDSTONE	SANDS C
NED HY		TEST	TEST	1	8	1	1	PRESS	l۳					_				-	ROCK TYPE:	
DONG NAI 3&4 COMBINED		PERMEABILITY	61	FROM:	Г	<u> </u> 2	<u>.                                    </u>	-يا ا	Applied	-	3.0	25		2.50	1.00	0.10	<u> </u>	 1	Į	
NAI 3&		ERMEA	01 H 9	ିସ	1		Lh water mater		,	Ground level			9	Major Major	: ::	-	racker			2
DONO		8	CTA DITED AT		~¥ ¥				  -		₹ <b>1</b>					<u> </u>	<i>)</i> =	e		8
		LUGE	1	2000	13/00/27			Ē	<b>-</b>	, <u>z</u> .			£	* .		¥	ب			'mɔ'\g4 ЭЯЧЕВЭЯЯ



	RESULT	: 2.92	1.09E-05	43.0	ε	E	ES	DEBIT	(C/min/m)	0.250	0.650	1.625	2.900	1.750	0.700	0.275			_			
ve Se		LUGEON:	K (cm/s) =	C.W.L.(m);	ت	٠ ت	o rods	DEBIT	(L/min)	0.1	5,60	6.50	11.60	7.80	2.80	1.10						2
VER PRO Inclined:			u)	70.0 m	0.091 m	43.00 m	1.5 m	n²)	Total	4.55	5,45	7.45	9.95	7.45	5.45	4.55					SNG	TONE 25
ROPOW	TEST No:		TEST SECTION (m)	TO:	a: o		H.	URE (kg/cm²)	Яc												SANDST	SANDSTONE
ер нус		TEST	TEST	t: 66.0 m	m 70.0 m	m 0.99	# 4.0 m	PRESSURE	d Gravity	4,45											(TYPE:	ROCK TYPE:
OMBIN			1	PROM:	۵	Ŧ			Applied	0 0 0	8:	8	<u></u>	L_	8:	0.10					SOC SOC	000
DONG NAI 3&4 COMBINED HYDROPOWER PROJECT		LUGEON PERMEABILITY	STARTED AT : 12 H 37	¥		Ç	The Water meter		* * *			Ω		water table				->	<b>1</b>	Ω		0.0
		-UGE	DATE	3/06/99	F	+¥		Ę	*	3			H dH	2	m		ــــ		Ψ			PRESSURE 19/cm²



	RESULT	\$.35E-06	42.5	E	E	5	DEBIT	(C/min/m)	0.230	0,466	0.840	3 6	0440	0200						
OJECT	RES	K (cm/s) =	G.W.L.(m):	1	Lh =	ф rods ■	DEBIT	(L/min)	1.15	2.33	4.20	000	2,000	8						£ 5.
WER PR	HOLE No:	(m)	80.0 m	0.091 m	42.50 m	2.0 m	1,2,	Total	4.55	5,45	7.45	\$ .	, y	4 55					SNE	
DROPO	E	S	ř	GI O	# ##	Hm .	URE (kg/cm²)	ž							-				SANDSTONE	08 0.9 William
NED HY	TEST	1754	0.5	않	= 75.0 m	= 5.0 m	PRESSURE	ied Gravity	0 4.45	0			2 6	2 6		-			ROCK TYPE:	<b>₽</b> } <del></del>
DONG NAI 3&4 COMBINED HYDROPOWER PROJECT	LIGEON PERMEABILITY		DATE NIAKIEDAL 1980/	Syure gauge	F	La Water meter		Action Assemble Applied	Hw Cround level		<u></u>	Hp Water table 5.50		3 3 3	Packer 1		     	<u> </u>	SOU	торет заисезаяче с



HYDROPOWER PROJEC	TEST No: HOLE No: RESULT	BD903U LUGEON:	TEST SECTION (m) K (cm/s) = 1.28E-05	5.0 m TO: 10.0 m G.W.L.(m): Khô - Dry	# 10.0 m d to # 0.110 mf.Lr # m	m Hw = 7.50 m Lh =	m Hm = 1.0 m do rods ≈ o	PRESSURE (kg/cm²) DEBIT DEBIT	Gravity He	0.85 1.35 1.60	4.35 6.00 1.200	7.35 11.20 2.240	9.85 16.80 3.360	7,35 12.00 2.400	4.35 7.00 1.400	1,35 2.00 0,400				ROCK TYPE: SANDSTONE	- <del> </del>
DONG NAI 3&4 COMBINED		LUGEON PERMEABILITY	DATE STARTED AT : 12 H 20	COMPLETED AT	syure gauge		L) Water meter	Hm	Axx x Applied		3.50	059		6.50	3.50			-> ->	<b>1</b>	Water, table	PRESSURE Ng/m³

