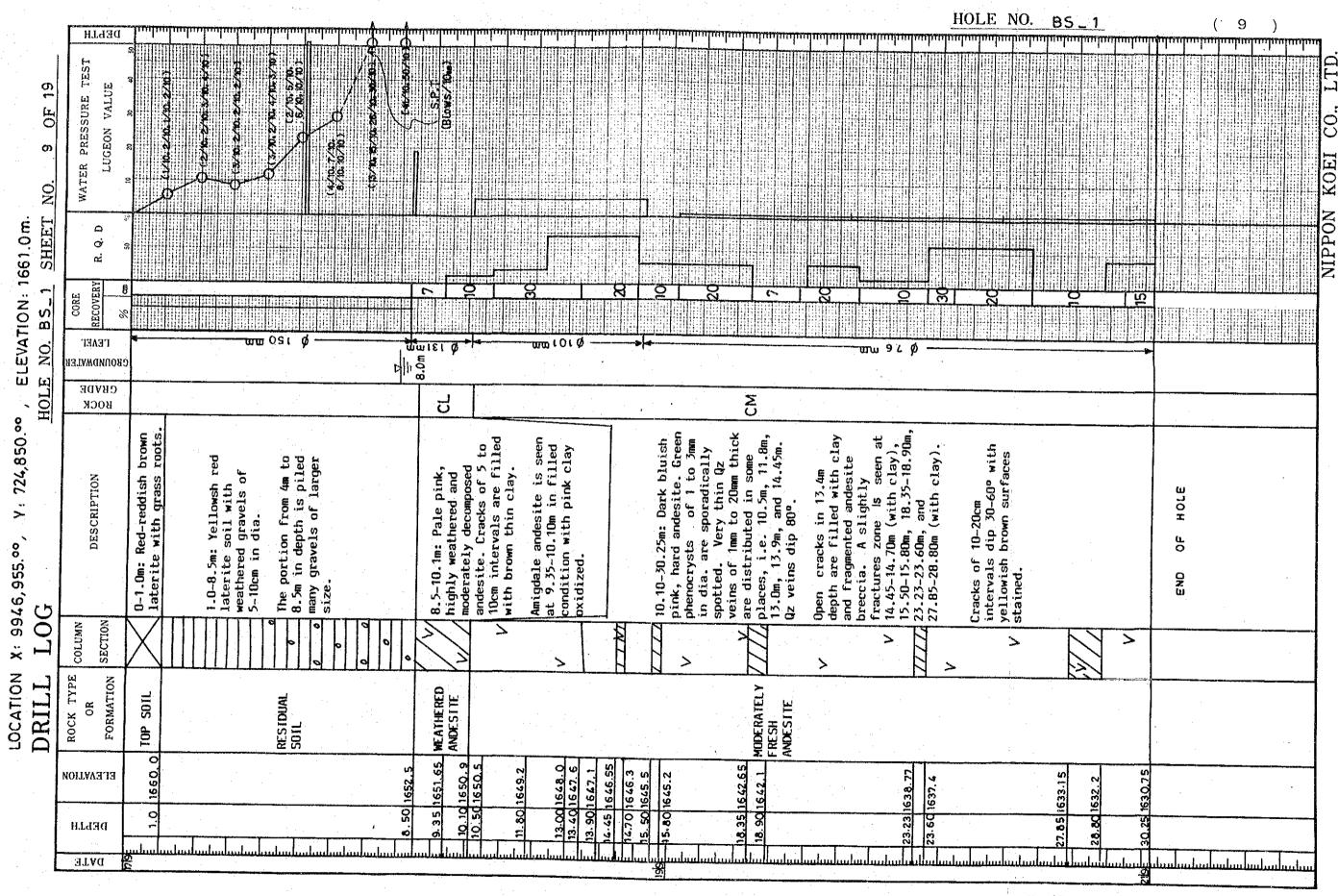
0	DEFTH	<u>ռակայիակավավավավակակակակակարակակակակակակակականու</u>	HOLE NO. 8D 8 (8)
267,00 Y:727,271,00 NO. 8 OF 19	WATER PRESSURE TEST LUGEON VALUE	100<1.0	
X:9947, 27.30m. SHEET	RY R. Q. D		
16 16 80 8	CORE RECOVERY % cm		
OINA NO.	PEAEL CRONNDWATER	911 Ø	9 c p
COORDINATION ELEVATION 16 HOLE NO. BD	CBVDE BOCK		□ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	DESCRIPTION	O-1.0m: Dark reddish chocolate col. top soil with grass roots. Silty. Low plasticity. 1.0-9.0m: Light brown, residual soil with many rock fragments of angular shape and 10cm dia. in average. Gravels of rock fragments are concentrated at the depth of 2.0 - 6.60m. 9.0-11.35m: Yellowish brown, sandy soil with many decomposed rock fragments of andesite. Andesite is of pale bluish grey, many amygdules of quartz of 3 to 7mm dia.	brown, heavily weathered/decomposed andesite. At 16.05-18.50m, dark blue fresh andesite of cores between cracks is remained. Along cracks of ave. 10cm intervals, the rocks are heavily deteriorated. Very fragile. Large, white phenocrysts of 3-5mm dia. are frequently scattered. Minorly pyrite contaminated. 18.75-23.70m: Mostly dark blue andesite, Open cracks of 10-40cm intervals are heavily wathered. He ardsite between cracks are fairly hard and stable. White large phrocrysts of 5-8m are precentated. White large phrocrysts of 5-8m are precentated. White large phrocrysts of plagioclose are frequently scattered. White to pale grey, large phenocrysts of plagioclose are frequently scattered. Matrix are glassy in some phenocrysts of plagioclose are frequently scattered. Matrix are glassy in some parts. Along the cracks, rock is stained in brown. 31.15-34.25m: Dark bluish grey, many cracks of 1-10cm intervals. (Cracks of 1-10cm intervals. Cracks of 1-10cm intervals. At.25-35.75m: Pale bluish grey, slightly weathered andesite. White phenocrysts of 5mm or less and dark green amygdules are precaminet. Matrix is micro crysyds.
LOG	COLUMN		
DRILL	ROCK TYPE OR FORMATION	RESTDUAL SOIL WITH MANY ROCK FRAGMENTS	HEAVILY WEATHERED/ DECOMPOSED ANDESITE ANDESITE TRACTURED DOLERITE ANDESITE ANDESITE
	ELEVATION	1620.9	1610.5 1610.5 1605.03
	рерти		315
	DATE		<u>ժումարիականականությունի արանականության անանականություն արտարկանություն արտարական անականություն անձև այնական</u> ու

	HOLE NO. BD 8	(8)
100<1.0		
9 11 Ø	91 p	
	□ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	C N N N N N N N N N
1.0-9.0m: Light brown, residual soil with many rock fragments of angular shape and 10cm dia. in average. Gravels of rock fragments are concentrated at the depth of 2.0 - 6.60m. 9.0-11.35m: Yellowish brown, sandy soil with many decomposed rock fragments of andesite. Andesite is of pale bluish grey, many amygdules of quartz of 3 to 7mm dia.	13.35-18.85m:Light yellowish brown, heavily weathered/decomposed andesite. At 16.05-18.50m, dark blue fresh andesite of cores between cracks is remained. Along cracks of ave. 10cm intervals, the rocks are heavily deteriorated. Very fragile. Large, white phenocrysts of 3-5mm dia. are frequently scattered. Minorly pyrite contaminated. 18.75-23.70m: Mostly dark blue andesite. Open cracks of 10-40cm intervals are hravily weathered. The archesite between cracks are fairly hard and stable. White large phenocrysts of 5-8mm are predmirant in microcrystals of matrodolerite (andesitic), Cracks of 20-30cm intervals. White to pale grey, large phenocrysts of plagioclose are frequently scattered. Watrix are glassy in some parts. Along the cracks, rock is stained in brown to yellowish brown.	31.15-34.25m: Dark bluish grey, many cracks developing, fragmented dolerite. Cracks of 1-10cm intervals. 34.25-35.75m: Pale bluish grey, slightly weathered andesite. White phenocrysts of 5mm or less and dark green amygdules are predmiret. Matrk is micro cryst green amygdules are predmiret. Matrk is micro cryst green, 35.75-40.35m: Pale bluish grey, fractured andesite. Cracks of 5cm intervals. Below 35.75m to 40.35m, many cracks developed and fractured by fault.
		* * * * * * * * * * * * * * * * * * *
RESIDUAL SOIL MITH MANY ROCK FRAGMENTS	HEAVILY WEATHERED ANDESITE ANDESITE DOLERITE	FRACTURED DOLERITE ANDESTTE
9.00 1620.9	25 27	35.75 1602.02

II. 26

FOC LOBW-C.

LOG FORM-C*



CONSULTING ENGINEERS,

1656.70m.	
ELEVATION:	
Y: 724,881.00,	
X: 9947,051.00,	
LOCATION	

																HO	OLE NO.	BS_ 2			(10)	
NO. 10 OF 19	WATER PRESSURE TEST ELUCEON VALUE		(2/12/12/12/12/12/12/12/12/12/12/12/12/12	(0/8/0/2	(6/10/5/10/5/10/5/10/5/10/5/10/5/10/5/10/	7710-8/10:8/10:10/100	(#00./5%0)B)																N KOEL CO., LTB.
O. BS_2 SHEET	CRECOVERY RECOVERY R. Q. D SS			mm Og (7			мт. от О	[ℵ Ø			Q	uw 98 ф -	2 2	0)		* 15		Q 90	φ-	23		NOHLIN TO ALL
HOLE	CBVDE BOCK						ال ز	ງ ງ	Σ		Σ								ეĭე Z		Σ		
	DESCRIPTION	0-1.5m: Dark brown to grey, organic with grass roots,soft clay.Highly		1.5-8.25m: Yellowish red, laterite of residual soil.	5-8.25m, Sub-rounded gravels of weathered red andesite are scattered.		8.25-11.55m: Pale pink fractured andesite. Crack intervals of 3 to	Deteriorated along s and dark brown col. e crack surfaces.	11.55-13.00m: Pale bluish pink, moderately fresh and exacks, dip.300, and	-13.80m: Posed.ande	13.80-16.80m: Pale pinkish hard and stable andesite. Almost cylindrical core. Cracks dip 30º-60º and intercalated clay at 14.75 and 15.3m(1cm thickness).		16.80-28.20m: Reddish pink, frequently developing cracks of 3 to	10cm intervals, fragmented andesite. Rock is very hard. At 17.0m. 21.2m. 24.8.	, yellowish brown fills thinly.	Porous subrounded texture of 2-5mm dia. is distributed mainly in the depth of 24.4m to 26.0m.	Core lost in 26.0-26.4m Andesite in 26.40-27.05m is brecciated but well comeniated matrix.		28.20-29.40m: Crack intervals of ave. 10cm.	29.40-35.25m: Pinkish blue, stable and hard andesite.	Green phenocrysts of 2 to 5mm are frequently distributed.	All cylindrical core.	FND OF HOLE
T0G	COLUMN	X			0	8 0 0	3/3	/3/	>	\bigotimes	> >			/>/	1	7/3	13/3	/>	>	· >	>	>	
DRILL	ROCK TYPE OR FORMATION	TOP SOIL		PECTON	SOIL		WEATHERED	ANDESITE	ANDESTIF	FRACTURED	MODERATELY FRESH ANDESTTE				FRAGMENTED	ANDESITE			CRACK DEVELOPING	÷	FRESH ANDESITE		
	EFEAVLION	1655.2				54.845		76.53.81		1642.	1639,5							1628.5	1627.3				
	DELLH	1.5			اساساسا	22 , 20 , 20 , 20 , 20 , 20 , 20 , 20 ,			5 2 1	13.80	16.80	الساسل	ساساساس		հահաև	ىلسلىسلىمار		- 28.20	29.40	<u></u>	հահահա	աևախահա	701
Ţ	DATE	IKT.					······································	·	· · · · · · · · · · · · · · · · · · ·			Ķ		·				и 9					R

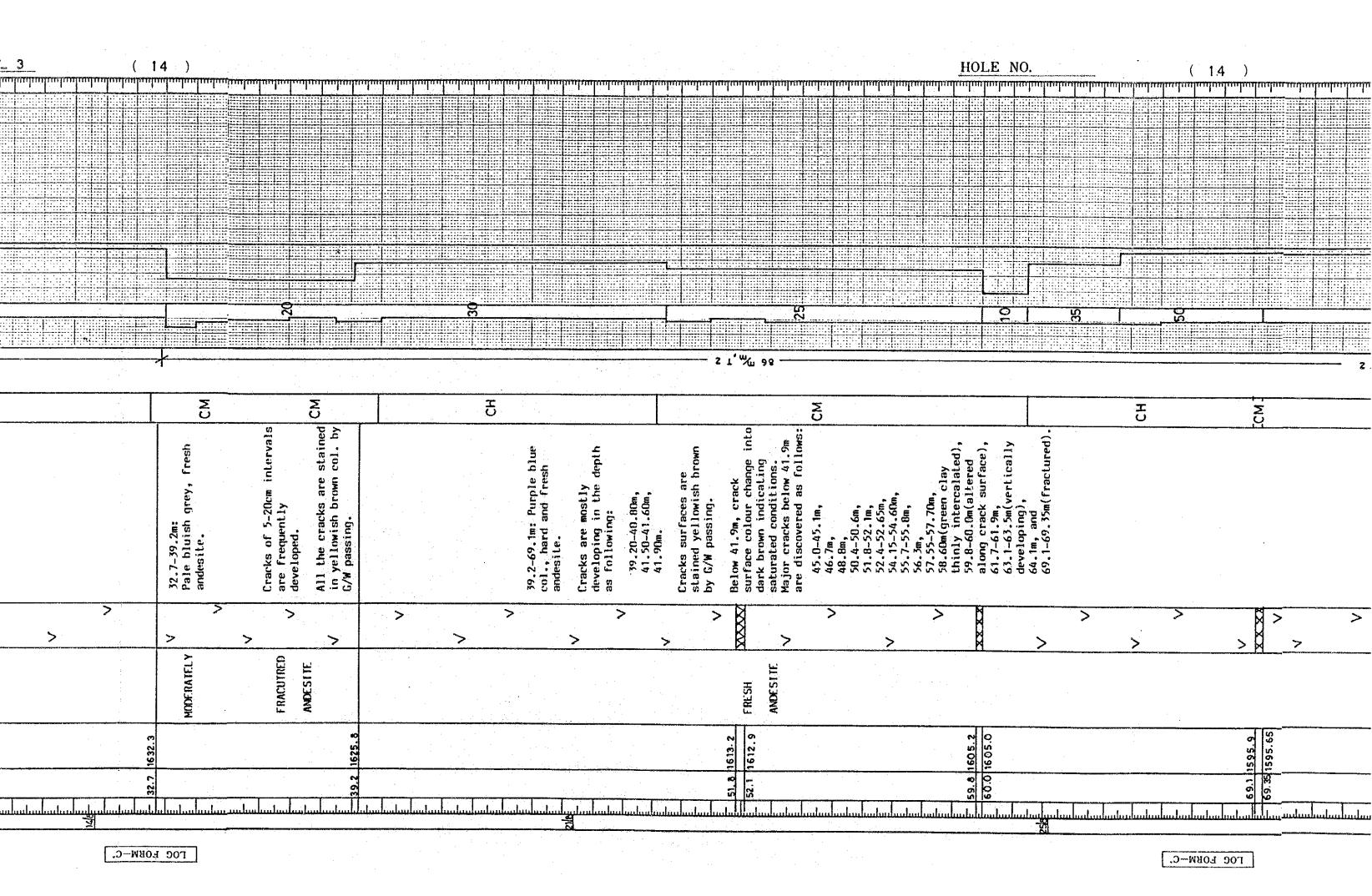
	g-menacomila och eventerbitan cartifor	· mannens mannens men mær men		<u>, ուրադարարությունների արարարար</u>	<u>—</u> Մականյարարարարություններ	OLE NO. BS_3	
NO. 11 OF 19	WATER PRESSURE TEST	(1/10, 2/10, 2/10) (1/10, 2/10, 3/10, 4/10) (1/10, 4/10) (1/10, 4/10) (1/10, 4/10) (1/10, 4/10)	(Blows/10m)				ON KOEL CO., LTD.
90m. 3 SHEET	E R. Q. D	0	8			<u> </u>	8 8 NIPP
ELEVATION: 1656.90r HOLE NO. BS_3	CROUNDWATER CROUNDWATER	wu, OS (Ø → dw	101 Ø H ww 98 Ø H			96 0	
EVA1	CBVDE BOCK		3	ਣ ਹ	§ §	0 1 7	- B
Y:724,931.00,	DESCRIPTION	0-1.0m: Black to dark grey organic clay with grass roots. 1.0-6.50m: Light red collaterite of residual soil with gravels. At 6.50-7.60m, angular shaped gravels of 2 to 10cm dia. of Quartzite, andesite are piled.	7.60-13.20m: Pale blue to grey, very fresh andesite. Cracks are slightly weathered. At 10.75m, yellowish brown clay is filled thinly along the cracks. White thin Qz veins are tightly distributed. White phenocrysts of 1-3mm are spotted.	13.20-15.35m: Pale grey, slightly weathered andesite. The rock condition of andesite is of very hard. Open cracks of 60° dipping ore distributed at 13.3m and 14.9m ore filled with 1cm thickness.	brown neavily weathered and altered fine sandstone All the cracks of 3-10cm interval are stained in bxidized col. 18.10-25.Dm: Greenish blue moderately hard and fresh fine sandstone contaminated pyrite granules by alteration of andesite intrusive. Along the cracks of 60° dipping weathering is bein progressed by dark brown	2.50m: Light ish brown, very nted fine sandstone of 2 to 5cm als are mostly alated thin clay. The cracks, heavily osed and very fragi	// / / / / / / / / / / / / / / / / / /
100 100 100	COLUMN	X	1				
LOCATION X: 9947,211.00, DRILL LOG	ROCK TYPE COR	TOP SOTL RESTDUAL SOTL	HARD AND FRESH ANDESTTE	SL IGHTLY WEATHERED ANDESTTE FRACTURED AND ALTERED FINE SANDSTONE	MODERATELY FRESH, ALTERED FINE		FINE SANDSTONE QUARTZITE
	EFEAVLION	1655.9	. 673.7	1 (6)		1631.9	1624.4
	реьтн	1.00 1.00.1	20	15.251		25.00	32.501624.
	DATE	արակակակակակակակակակակակակակակակակակակա	<u>հահավումականումունունունունուն</u>		<u> </u>		

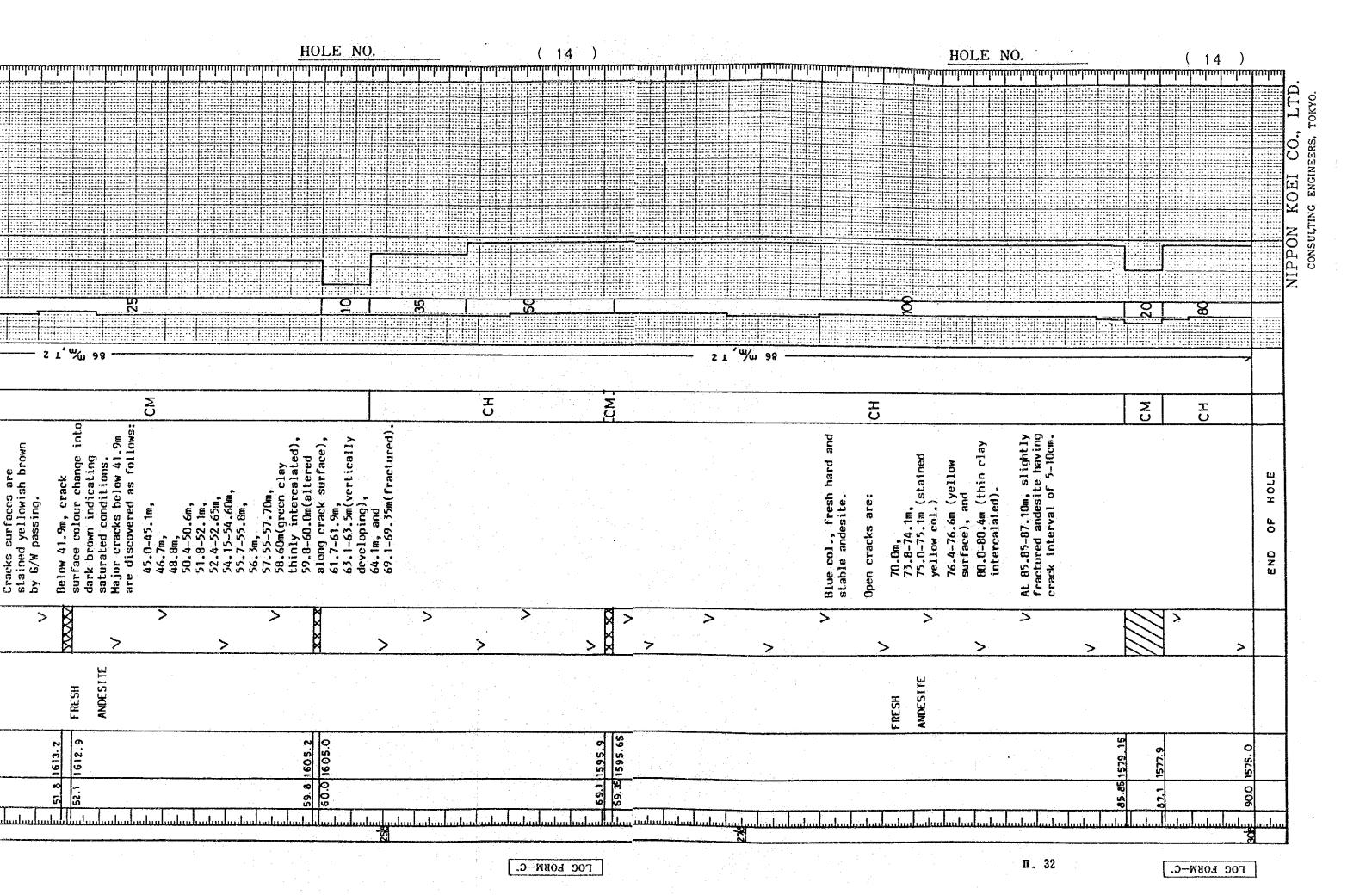
CONSULTING ENGINEERS, TOKYO.

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28.15-30.00m:Fractured andesite with many cracks of 5-10cm intervals.The FESCKS age infilled with	30.00-32.30m: Grey to pale brown, fresh andesite with dark brown stained cracks.	V 32.30-36.1m: Pale brown, fractured andesite with dark brown to red stained cracks of 3-10cm intervals.		blue, very fresh and hard andesite. At 43.2-44.85m, phenocrysts of 2-8mm dia. of white col. are frequently occurred indicating filled in amygrule. Very stable.		49.0-52.2m:Blue-brown moderately fresh andesite. Cracks of 5-10cm intervals are stained brown col. Moderately good. White very thin veins of 1mm develop 49m-50m in depth.	n: n,weathered, ndesite. stable andesite.	corm oip 60° emely fragmented	m: own, hard ith many cracks. 61.60m, and te clay mineral the cracks.	64.25-70.0m: Dark brown, fragile and fragmented andesite. Cracks of 1-10cm. At 67.1-67.5m, pale greenish grey col.altered and clayey, loosened andesite. Moderately instable conditions.	END OF HOLE
\$\frac{1}{2}\right	> >	XXX	> > >	> >		> > >	, , , ,	. \$ } >	> > > > > > >	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	A
FRACTURED ANDESTTE	FRESH ANDESTTE	FRACTURED ANDESTTE	MODERATELY Fresh Andestte	FRESH ANDESTTE	AUTO- BRECCIATED ANDESITE	FRESH ANDESTTE	WEATHERED ANDESTTE ANDESTTE	FRACTURED	MODERATELY FRESH ANDESTTE	FRACTURED ANDESTTE	
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	ови-с.	F0C E0							п. 30	FOC FORM-C	•

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WATER PRESSURE TEST LUGEON VALUE								
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ROCK C	·	ل ۵	₽ > J	8	G ₹ G C	CL	E	Š
LOG THIN TUNNEL COVERING EDUMN DESCRIPTION ECTION	0-1.0m: Dark brown, fertile(organic) soil for banana field cultivated. 1.0-5.0:Reddish brown, laterite soil with heavily weathered pebble of sandstone.	5.0-8.15m:Yellowish dark brown, completely decomposed and loosened by weathering, sandstone. Soil condition. 8.15-9.80m:Pale yellow to brown,tuffaceous coarse sandstone. Heavily weathered and loosened.	9.80-12.65m: Pale a brown, tuffaceous a Along the cracks of intervals, softened loosend.	12.65-17.55m: Pale brown, moderately hard, stable sandstone. Almost cylindric core having the cracks of 10-50cm intervals. Cracks stained dark brown.	Fragiled core of cracks developed. 18.65-22.25m: Light brown sandstone. Cracks interval is 10-20cm. Crack dip 60° and stained in dark brown.	22.25-27.30m: Very fragiled, pale brown, medium to coarse sandstone. Cracks are of 2-5cm intervals. Some cracks have seams or weathered clay.	27.30-43.20m: Pale bluish to greyish brown sandstone with some cracks. 32.30-38.00m: Moderately fresh conditions having crack interval of 10-20cm.	
COLUMN								
POCK TYPE OR OR FORMATION	TOP SOIL RESIDUAL SOIL	COMPLETELY MEATHERED SANDSTONE HEAVILY WEATHERED SANDSTONE	HIGHLY WEATHERED SANDSTONE	MUDERATELY WEATHERED SANDSTONE	FRACTURED / MODERATELY WEATHERED SANDSTONE	CRACKS DEVELOPING (FRACTURED). SANDSTONE	MODERATELY MEATHERED SANDSTONE	
ELEVATION	1649.5	1642.35	1637.85	5 5 5 5 7	1631,65	9		
нтаза	5.00		.6.5		65.1	; % %		<u> </u>

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greyish with some h ng crack 20cm.	78.0- 7 fractured 7 fractured 8 fractured	d & tone. No hered or tone. Intervals. tuffaceous e. re and very cracks al. brown h and	esh 56.80m, 50-59.50m), and ured nterval	ш
20m: iish to indstone i.00m: iy fres of 10-	tions of crass of cra	fragile is sands: core. 70m: 170m: 170m: 19 weat is sands 5-20cm orown, andston dric co by the interv interv ish to e. 19 fres	80m: d of fr (56.55- 50m,58. -61.60m y fract f 5cm i	DF HOL
27.30-43 Pale blu brown sa cracks. 32.30-38 Moderate conditio	Some port 41.20 are and devel Intervals 2-3cm.	43.20-45. Heavily fractured cylyndric 45.15-48. Moderate fractured Crack of Fragiled of 2-5cm fragiled of 2-5cm Moderate stable. Crack in		O N D
MODERATELY WEATHERED SANDSTONE	WEATHERED SANDSTONE	FRACTURED SANDSTONE SANDSTONE SANDSTONE SANDSTONE FRESH FRESH	ALTERNATING OF FRESH SANDSTONE AND FRACTURED SANDSTONE	
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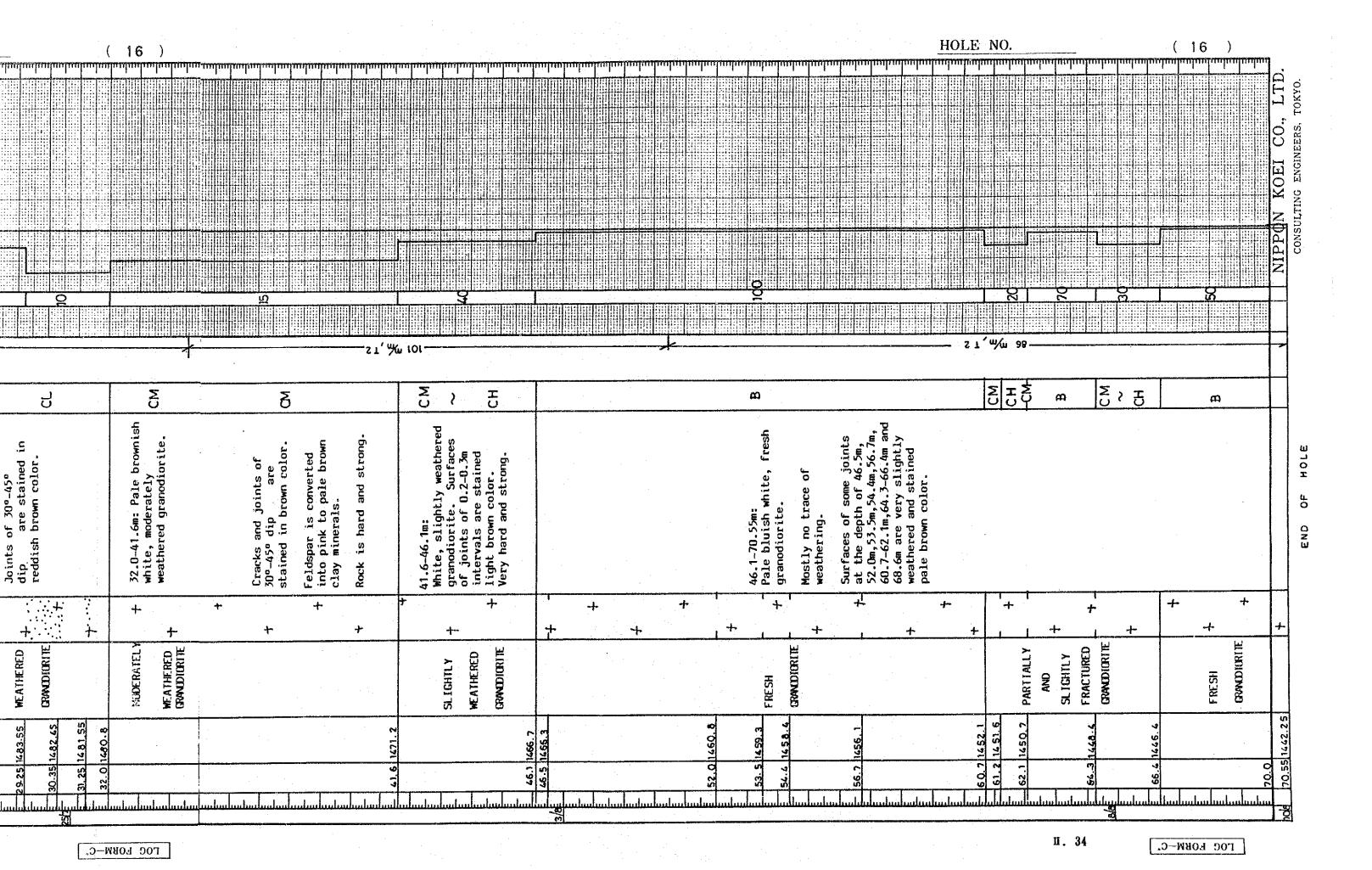
WATER PRESSURE TEST OF ις. NO. SHEET Ω 1567.20m. Ġ œ <u>10</u> O 20 ਲ 3 9 5 0 C.J 7 CORE ELEVATION: BW. 131 w w ø **0101**00 Terus 971 **FEAET** NO. OSI P GROUNDWATER Y: 722,282.00, ELEV J 2 CRADE Σ Š S£ \Box 7 9 BOCK 32.25-40.3m:
Alternation of pinkish blue, fresh tuff-breccia (33.46-34.6m,36.3-36.8m and 39.5-40.3m), and slightly fractured, 14.0-16.2m: Yellowish to brownish grey, fragiled shaley tuff-breccia (conglo). Bedding of some 30°. 16.2-27.1m: Pale brown to grey, tuff-breccia. Slightly weathering along cracks of dark brown col. 2.5-11.3m:
Heavily weathered, dark
brown tuff breccia with
sandy matrix. Moderately
in fragile. weathered brownish grey tuff-breccia.
The portions slightly weathered tuff breccia. Yellow fine sandstone is bedded at 11.8-12.4m. Moderately in stable. Tuff breccia is of pink s.s and andesite of 05-2cm dia. Angular shaped. dark 27.1-32.25m: Pinkish blue, hard tuff-breccia. All the crack surfaces are deteriorated and stained in black col. with thin clay intercalated. 0-2.5m: Red laterite soil with gravel of residual soil Cracks of 10-30cm intervals dip 30°-45°. Moderately in stable. Almost cylindric core. All the cracks are stained in black or o grey colour. PENSTOCK LINE DESCRIPTION 9953,329.00, LOG COLUMN SECTION 4 V 11 4 4 7 </ 4 1/ \/ A ∢ A. </ \triangleleft 11 10 4 \/ 4 18 7 V **/** \ 4 /\ 1 4 V 4 A 4 2 X 4 7. V SL IGHTLY FRAGMENTED TYPE LOCATION DRILL FORMATION FRAGMENTED FRACTURED SHELLY TUFF -BRECCTA WEATHERED MEATHE RED SLIGHTLY SL IGHTLY RESTDUAL TUFF-BRECCIA TUFF... BRECCIA BRECCIA TUFF-BRECCIA BRECCIA 9 FRESH/ STABLE ROCK TUFF. TUFF-SOIL 1530.9 36.8 1530.4 1532.6 1552.5 1552.2 0751 ELEVATION 15 53. 14.7 36.3 5.0 က DEPTH DATE

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al soi	d, dark ia with deratel	faces and col.	brown ed tuf Fine	rately brecci nd cm dia		.2m: Yellowish to h grey, fragiled tuff-breccia	300		ÿ, tu	ble.	1-450.	or da		d tuf	₽ ₹		inkish	brecci -36.8m and	1	ortion thered ed cor			កា
esidual	therec brecc	ack sur orated black clay	Light ather llow s bed	Modera Tuff br s.s and .05-2cm	ped.	Yellı ey, fi brece	emos	•	to grey	ely in stable cylindric cor	10-30cm dip 30°-	acks ar i black ir.		bar har	eatherin dark bro		of pi	tuff.	octure brown	The po y weatl gmente	ress		н
of r	.3m: y wea tuff matri	criceric	4.Om:L ly wea a. Yel one is	2.4m. ole. oink	4 ! '	VO 10 11	Jo o		7.1m: rown a.		of	in i		2.25m h blue	و خ		40.3m	547	LV_TTS ered b	ight1 f fra	5		0 F
gravel	2.5-11. Heavily brown t sandy n	All the are det stained with the	slight] breccis	II.8-1 In sta Is of	Ingula	14.0-16 brownis shaley (canolic	eddin		16.2-27 Pale bi breccia	Moderat Almost	Cracks interva	All the stainec grey co	•	27.1-32 Pinkish	breccia SlightJ cracks		2.25- 1tern	blue, f (33.46- and 39.	weath tuff-l	of sli	<u> </u>		END
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SOIL	WEATHERED TUFF-	BRECCIA		SL IGHTLY WEATHERED TUFF-	BRECC	FRACTURED SHFLLY TUFF-	BRECC		751 751	SCIENT.	TUFF- BRECCIA			FRESH/ STABLE	TUFF- BRECCIA		SL EGH FRAGM	TUFF- BRECCIA				***************************************	
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LOG FORM-C

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WATER PRESSURE TEST LUGEON VALUE	10 20 30 40 50													
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CBVDE BOCK		\$		9	<u> </u>	Ω.	> ქ	J.		∑	ಕ		δ	
DESCRIPTION	0-2.0m: Red col. Top & residual soil of clay with Qz grains.	2.0-7.0m: Light brown, completely decomposed and weathered granodiorite (same conditions as sand/gravel	7.0-9.5: Light brown, heavily weathered granodiorite.		9.5-15.4m: Light brown to brown, completely decomposed granodiorite (same conditions as sand)	Light brown, extremely weathered granodiorite.	2 of 10	re of co	stained black color.	moderately to highly weathered granodiorite. Decomposed portions are	Joints of 30°-45° dip are stained ir reddish brown color.	32.0-41.6m: Pale brownish	white, moderately weathered granodiorite.	
COLUMN	\times	+ + + + + + + + + + + + + + + + + + + +	+ +	+ + +	+	+ ; ; ; ;		+ + + + + + + + + + + + + + + + + + + +	+		+ 111		4-	4785
ROCK TYPE OR FORMATION	10P S01L	COMPLETELY WEATHERED GRANDICRITE		HEAVILY MEATHERED GRANDIORITE	COMPLETELY DECUMPOSED GRANDIORITE	EXTREMELY	WEATHERED GRANDIORITE	HIGHLY WEATHERED GRANDIORITE	+	MODERATELY TO	HIGHLY WEATHERED + GRANDICRITE	MUDERATELY	WEATHERED +	-
ELEVATION	1510.8		505. 8	1503.3		2 .651	94.35	58.697	1488.35	· · · · · · · · · · · · · · · · · · ·	1483.55	1481.55		
рертн	2.01		2.0 15	ນ ວ		15. 4 16	18,45 149	\$51.35 571 S6.22	26.65 14		29.25 148	32.01480.		_
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NO. 17 OF 19	WATER PRESSURE TEST LUGEON VALUE															PPON KOEI CO., LTD
650m. SHEET	R. Q. D															NIPPON
	CORE RECOVERY % cm	200	2	2	2	A CONTRACTOR OF THE CONTRACTOR	0	13 13	00	N C	0 8 0	8 8	5 5 5	S~ E S		
VATIC NO.	PEAEL CROUNDWATER						nm		· · · · · · · · · · · · · · · · · · ·				— თო 9c ф-			
ELE	CBVDE BOCK										ರ					
0000, Y: 722,000, QUARRY-1 (RIGARI)	DESCRI		0-11.60m: Reddish brown, debris and clay with much gravels of dia. 5 to 20cm.	Gravels are of pinkish weathered andesite.	At 3.0-3.4m, Red col, laterite soil.		9.60-11.10m: Reddish brown, stiff clay piled.	7 11.60-21.00m: reddish brown weathered and	No hard core distributed. Very fragiled and fragmented, tuffaceous andesite.	At 14.10-14.65n and 20.15-20.30m, cylindric core.	The next section is of fragmented core. Crack interval of 3-5cm	21.00-26.60m: Blue to reddish brown, weathered andesite. Many cracks developing in the interval of 5-10cm.	All the crack surfaces are stained dark reddish brown.	26.60-30.10m: Dark blue, completely fragmented andesite enclosing many feldspan-granules. Cracks of 2-5cm intervals are stained in oxidized col	END OF HOLE ari Quarry site was ue to poor conditions of y discovered by this hole	
x: 9948 LOG	COLUMN	4 ,	4	4	V	4	1						3//		Rigar doned que quality c	
LOCATION DRILL	ROCK TYPE OR FORMATION				OVERBURDEN (Debris)				HEAVILY MEATHERED ANDESTTE			FRACTURED	ANDESITE	FRAGMENTED ANDESTTE	Note: This aban rock	-
• •	ELEVATION		66.6				38.9	35.35			29.7 29.7 29.0		9	19.9		

DELLH

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HOLE NO. BQ_1

(-17)

HOLE NO. BQ-2 (18 DELLH TEST LUGEON VALUE WATER PRESSURE OF 18 NO. 1666.80т. NIPPON SHEET Ω Ġ α. 5 R **ELEVATION:** $\boldsymbol{\omega}$ Q CORE 8 LEVEL யய்த்த இ NO. BOUNDWATER DAM HOLE зауяэ Σ H ೧೬೮ BOCK 4.0-10.2m:
Pale bluish grey,
moderately hard andesite.
Many white amygdales are
welded. Cracks of 10-20cm
intervals stained in black
to reddish brown. Y: 726, 960.00 e, andesite is of microphenocrysts ting favourable Grey to dark grey, very hard and strong andesite. Many amygdales are tightly infilled with feldspar of 1.5-3.0m: Pale brown, weathered andesitic stones (angular). Dia. of 5-10cm. 3.0-4.0m:
Pale bluish brown,
weathered andesite.
Cracks of 10cm intervals
are stained heavily with
clay. Many amygdales
distributing. authoclase(minor) in the depth 5.15m. gravels 10cm dia. quartzite vein. Very lenticular cavities fresh conditions. At 11.80-12.45m, dark d in amygdales cracks filled or), green (chlorite?) intervals dip 30° - 60° . Very distinguishable vertical cracks are developing in the depth 24.8-25.4m, 27.4-27.5m, 27.9-28.5m, 30.5-30.8m, and 32.9-33.5m. LOG DOWNSTREAM OF DESCRIPTION 1-3cm dia. are quartzite layer O-1.5m: Reddish b sandy soil with g and boulders of 1 (major) Ŷ 10.2-35.15m: mineral along X: 9948,150.00 pink Cracks A. A.A SECTION COLUMN > > > > > > > > > > > > > > > > > ·> > > > > > RESIDUAL SOR ANDESTRE STONE WITH SANDY SOIL DRILL WEATHERED ANDESITE SL IGHTLY WEATHERED ROCK TYPE FORMATION LOCATION SOIL ANDESTIE ANDESITE OR FRESH **T**0P 662.80 665.30 ELEVATION 3.00 DELLH DATE

HOLE

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ey to white col. es lenticularly dip 30° at the of 25.10m to 25.8m. een spots of 1.5mm kely clay minerals ite contaminated oradically found at aces. All ic core.		

hindundundund DEPTH	ակավավակակակակակակակակակակակա	ուրակայակարակարարարակարակարակարակայան	HOLE NO. BQ_3	արությունը (19)
NO. 19 OF 19 WATER PRESSURE TEST LUGEON VALUE 10 20 20 40 50				ON KOEI CO., LID
SHEET SHEET				DAAIN
m	7 2 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			
CROUNDWATER SO A	mmə& Q	mm 9 t &		ww.99¢
ROCK GRADE	₩ 5 7 2 8 a	N N N N N N N N N N N N N N N N N N N	5	
48,455.00 Y: 727.075 QUARRY OF 1Km C DOWNSTREAM OF DAM DESCRIPTION 0-0.50m: Organic clay wit grass roots. 0.50-3.50m: Reddish brown, high plastic fine clay. Many gravels of 5cm dia.	3.50-5.90 Pale grey moderatel andersite. Gondition 5.90-8.20 Grey to g brecciate Various p apg gregg 8.20-11.2 Cave or b cracks ca boundary All slime very poor	11.20-16.0m: Grey to pale brown, slightly weathered andesite of auto brecciated like agglomerate. Dark green part and grey quartzite part are tightly mixtured in angulated conditions. At 15.0m, yellow thin clay is intercalated along the light brown col.cracks(seam). 16.0-17.90m: Pale grey slightly weathered andesite. White phenocrysts altered from feldspar of 1-5mm dia. are frequently distributed Cracks of 10 to 50cm intervals are mostly stained in light brown	Bluish grey to dark grey, very stable and very hard andesite. Cracks are poorly distributed at 19.20m, 20.70m,23.5m,30.0-30.1m, 30.6m,31.3m and 32.8m. Cracks dip 30-45° and stained pale brown col. Thin Qz vein develop vertically. Pale grey to white col. amygdales lenticularly welded dip 30° at the depth of 25.10m to 25.8m. Dark green spots of 1.5mm dia. likely clay minerals	are sporadically found at some places. All cylindric core.
X:994 LOC COLUMN SECTION	\(\frac{1}{2}\frac{1}{	>	>	> > >
DRILL ROCK TYPE OR FORMATION TOP SOIL RESIDUAL SOIL	MEATHERED ANDESITE AUTO-BRECCIATED ANDESITE CAVE MARGINES OF ANDESITIC LAVAS	AUTO- BRECCIATED ANDESITE (TUFF- BRECCIA OR ACCIAMERED AUGHTLY WEATHERED ANDESITE	FRESH	
O D EFEAULON	1645.10 1642.8 1639.80	1636.00		1615.90
	5.90 5.90	17.90 17.90		35.1
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