NI.O.O to Dock Wallty Designation. R.O.D-[lote] length of cylindric cores longer than 10 cs]/[lote] drill length) x 100% stuccon VALUE to 1/pin/s under injection water pressure of 10kg/co2
*DEPTH and ELEVATION are in motor

DIAMETER is in millimeter

SITE			te I-	C							_	HOLE NO.	SK-309				
LATIT		7374.			1000			LONGITUDE 6882.2				ELEVATION DEPTII				674.0	
DATE		Hay 1	7 - S	ep.4 <u>.</u> 90'			7 7	530. 10. 80. 101 0.00.		10817	ON:	ort in				130.0	DOM
ANGLE		0014	,)	0.60	DIRE	CTION		\$100 \$ 0.00. STODE	50	D	0.00,			25.0			
SCALE (m)	DATE	рертн		GEOLOGICAL AGE	ROCK TYPE	SECTION	POCK CLASS	DESCRIPTION	3 118	DIAMETER	GROUND NATER LEYEL	OVERY X	A.O.O X (m) 50 160	MATER F Lu K Ya	RESSURE N Value geon Value lue: cm/	58C	
8	a		교	<u></u>	<u> </u>	27	Œ.		- 00		B -	0 50 1000		1 1	20 3	1	10 50
31	30/5 (31.10)	31.15 31.50	642.92 642.57			1	C-011						ŲŅ,				
32								Fresh soft rock. Grey. Joints: 10-20 bedding) 6									
33	31/5 114 [9]	,						80-90deg. [34.10-35.00m]. 43.15m: 5cm bitueinous (black).									
35	142.194							Staking is seen in the following sections:									
36		4214						36.00-35.50≈ 38.45-38.65a 40.35-40.65a	ж	.116		(Mary No.					
- 37					:	1	Call	41.25-41.65a 45.40-45.60a				ragail	KALL THE				
	1/6 (39.76)			ľ													
- 39 - 40																	
- 1	2/6 (41.20)					1/2								-	-		
42	5/6 (42.40)	- 235	_ XXV Zz	1.		1						(62 EA)					
43							Cal						¥-15	Upper Cepth : Lower Orbith : Lugeon Talue k Yalue 0.00	41 20 41 20 9 20		
- 44 - 45		44.00	630.01	formation	Mari		Call							1 13/32 0.00			
- 45 - 46	N2'801	28	-834	Soreel fo	문			Fresh soft rock.	-					Upper Depth :	44 50		
- 47						//	Cal	Grey. Joint: 10-15deg. (bedding)						Upper Debit : Lower Debit : Lugeon Yalus: X Yalus 0,00	#/ DS		ļ
- 48	7/5 (48.10)	49.05	625.67			1		Slaking is seen in the following sections: 45.80-46.00a				100 88	1 8 8 1				
49							Call	47,80-48,05a 50,00-51,00a 52,30-53,10a					102 601	Upper Death : Lower Doath : Luggon Yalve: k Yalue 0.0	47 80 50 10 50 10 50 10 50 10		
- 50 - 51	₽/E		<u>524,0)</u>			1/		55.00-55.40a	ж	-105							
- 52	5/5 (51.49)					1/	Cal	a d									
- 53				-						.							
- 54		. 51.00	-650.67				Call					(4.80)	12 8		Upper Ceşik Lower Ceşik Lower Yalus Lower Yalus k Walus : O	55 69 55 60 15,90	
- 55		55.00	619.67	1		//	1					165 601	[15] (A)		k Walte : 6	ccoaco	
- 56 - 57	9/8 57.20)						Cal										
- 58	<u>₽</u> 7.₹01.	. 29.)(525.97				:- :										
- 59							Call										
60	(0/5 (50.00)	69.00	B14 07	1.5		//		of outhoring goods known than 10 cal /17ch	\bot							<u> </u>	<u> </u>

SO, 00 to Back Quality Designation. R.O.O-(flotal length of cylindric cores longer than 10 cm)/(flotal drill length) x 100X student Willer 13//2016 under injection water pressure of 10kg/cm2 superindric cores longer than 10 cm)/(flotal drill length) x 100X student land to the letter will be a finished to the letter will be a finished to the limit of the letter will be a finished to the limit of the limit

	SITE		Dans 1	te I-	С								HOLE NO.	SK-309					
	LATIT	UDE.	7374.		DD A	1000	<u> </u>	· .	LONGITUDE 6882.2	* :			ELEVATION DEPTH				.	674.0 190.1	
ŀ	DATE		Hay 1		ер 4, so			 ,-	510. H		HORIE		DEFIN					130.	
1	ANGLE		000	. <i>D</i>	0.00	DIREC	CTION		276° 50° SLOPE	90	D	9.00							
	SCALE (m)	DATE	ОЕРТН	ELEVATION	GEOLOGICAL AGE	ROCK TYPE	SECTION	ROCK CLASS	DESCAIPTION	S Lie	ETER	raino Katea Level	CORE REC- OVERY X (m)	A.Q.D X (m)	WATER	PRES N V Lugger Value	SSURE alue Value ce/e	TEST	
Į	မ			<u> </u>	<u> </u>	_ĕ_	7//	Æ	fresh solt rork,	-[:	-	g -	0 50 10010 1 1 5 1 1 1		1 1	_ {) 3	1	0 50
	- 6i	12/6 (61,60)	:				1/	CII	Grey.		i		11.00						
The second	- 62		62.20	61 1. 87			1/		Joint: 10-15deg (bedding) & 90deg (60.25-50.9m)								.	.	
1	٠. ا						1/	CI	65.05-65.900: Nith many cracks.		ļ								
200	- 63 -					1	1/		Staking:							- [ļ		i
	- 64 -						1/		60.30-61.00a 68.70-69.03a								į		
	- 65	13/6 (55.00)					1/	CH		- (ļ			
1	- 66						//										į		i
E	- 67		66_40	_607.62			1/			.									
	.	14/5 (68.00)	00	505 A)	İ			CI		-							.	į	
The state of	- 68	20.17)	. 88.00				1/2		 - -						1				
	69						1/2	CII					2:10					.	
1	- 70	15/6 (10.59)	39,50	603 57		٠.						. !			╁╌╁╴				
i de la constante de la consta	- 71			_613 31			1	-											
tion the	- 72						1								1		İ		
			. 1			ļ	1/	-61										÷	
1	- 73					l [:]							ું કું કું કે આ મુખ્ય						
The second	- 74				fordation		//	ţ-		1					Upper Depin Lover Depin Lupean Value k Value 0	70 X			
Į	- 75	16/16 [75.00]	14.19 15.09	599.07	ford	E.	//	cill	Fresh soft rocs. Grey.	н	Ċ. 101		jeaso jeaso		k Value 0	80000			
1	76	- }			Gorne J				Joint: 10deg (bedding) & 85-90deg (85.0-85.0a)		Ì								
	- 77							CII	Slaking is seen in the following										
1	- 11	17/6 (78.00)							sections: 82.80-83.15m	-[ALMENI	MARAI			.		
المستناة	- 78	(78.00)	73.60	596.07		1	//		87.20-89.00a 88.40-83.00a				et distrib						
	79					. 1			89.90-90.00m.		. [Upper Debih Lower Debih Lugeon Faiu k Yojum O	: 75 X	3		
1	- 80							IJ		ļ		ĺ	i da tiliti i i i i i i i i i Litti i i i i i i i i i i i i i i i i i		k Folue 0	.00000			<u> </u>
Ī	- 01]	.: .			٠.		4.5											
		19/6								-			10.03						
		[82.20] [83.20]		501.92			//												
distant	- 63							1					100	# 2		.			
	- 04											:		204	ipper Depth	: % : %	}		
	- 85	.						CII							Opper Debth Lower Debth Lugean Yelu k Yalue 0	excep o	0	<u></u>	
Track to	06		:										10103	:::: ::::::::::::::::::::::::::::::					}
يتلاسنا		m/=									.		in the second			.	.		
1	B7	20/6 [07.70]	_87.20 _87.50	505.61 505.51				_CI			.		5 - 10 B 0 1 - 5						
the state of	n9				11	· · · · · · · · · · · · · · · · · · ·						.					-		
Land In	- 89				1 4	ļ	//	CIII							Upper Debit	1: 65	 •		
يستاي	90		90.00	584.01		ا .	//		of evilindric cares longer than 10 cel/(fo				A SIMBILITY		Upper Debti tower Debti Lugeon Vall k Value	1 : 90 1.05600	0 '	<u> </u>	<u> </u>

M.D.D is fact, Quality Designation. 9.0.0-(fotal length of cylindric cores longer than 10 cel/(fotal drill length) x 190x elloctive value is 1/ain/a under injection aster pressure of loxy/re2
mcPiN and Elevality are in meter
mcPiN and Elevality are in meter
mcPiN and Elevality are in meter

ITE	Dar	site	e 1-C			· · · · · · ·					HOLE NO.	SK-309		
ATITUDE		4.20	В					FOWCITAGE 6885'S			ELEVATION			674.07a
ATE	Ray	17	- Se	p. 4,	1989		<u> </u>	W-Lo ^x 1			DEPTH	ļ	- 	190.80m
NGLE		0 0 0 100	<u>D</u>	0.04	DIREC		,	270 SLOPE		0.00		<u> </u>		· · · · · · · · · · · · · · · · · · ·
SCALE (m) DATE	DE07U		E EVATION	GEOLOGICAL AGE	ROCK TYPE	COLUMN	K CLASS	DESCRIPTION	IT & DIAMETER	GHOUND MATER LEYES	CORE REC-	H.O.D X	MATER PRESSUI N Value Lugeon Val K Value : ce	RE TESI
SCAL DATE	1 2	1	岀	띯	Ĕ	8	70 20 20		817 10	ਉ ≨	(m) 0 50 1000	(m) 50 100	0 10 20 	30 40
91 21/6 191.50	ŀ		583.12 582.57		:		CII	Fresh soft rock. Brey. Joint: 10deg. (bedding) & 70deg. (94.5-95.0a)						
92 22/8 192,50)		2.50	351.3 7				CI	97,40-97.80m: Dark grey, slightly bituminous.			(n. 8)	11.631		
93 94				-				Slaking is seen in the following sections: 90,90-91,80 s					Uponer Deblin : 90 00	
23/6 95 (55.00)							CII	93.15-93.20a 93.45-93.50a 93.00-95.20a	HC. 101				Upper Debth: 90 90 Lower Debth: 95 00 Lugeon Value: 8 00 k Value: 0 000000	
96	-,	. 40 _	517.61	. 1			CI-H	97,40-97,80a 96,80-98,90a 104,55-105,20a						
97 24/8 87.40) 98	9	.40	576.67				01-[1				4/8			
99						1	CH						Upper Orota : 95 M tower Orota : 150 D tupeca Flue: 0,09 t Value: 0,00000	
100 25/5 [100 50]	10	- 1	514.07 573.57				CIII				10(2)		k Value 0.000000	1-1
101				į			CI							
103	Luc	1.50	570 57											
104				formation			C1-11						Upper Debits: 199 Do Lover Debits: 195 Do Lugeon Wilve: 0 Do a Yalur 0 000000	
105	"	1.00	569.67	Cornel for	l/g/l									
107				3			CII							
28/5 (107.50)		-	565.22		٠		C1							
109		.88	20.41					Fresh soft rock. Grey. Joint: 5-10deg. (bedding) 6-30-40deg.					Opper Orbits: 105 to teres Orbits: 110 Do Luceon Value: 0 DO t Value: 0.000000	
111							CII	(117.3-118.00, cracky).	08101					
115 1215 601 5312	_11	200	562.07		·	1		114.20-114.50a 118.35-118.55a						
113					٠,		ÇI						例	
30/5 115 (115 co)	ļ.,	. m.	150.07		i.						1.0		Upper Depth : 445 00 Lover Depth : 415 00 Lover Value : 3 60 k falue : 0 00000	
116				·			CIII							
117 177 (118 cm)	_11		55.11					$\begin{array}{cccccccccccccccccccccccccccccccccccc$			(A)	11 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
118 [[15 <u>.00</u>]							CIA						imase limite - 115 to	
20 (120,00)			104.93			//							toper Debin : 115 to Loser Debin : 529 b0 Lugger Motus: 0 10 t Valve [0.5000tp	

RO.O. to fack deality peoplession. R.O.D-(Total length of cylindric cares langer than 10 cm]/(Total drill length) a 100% MUSECON VALUE is Ifalfo under injection water pressure of 10kg/cs2
MEPTH and ELEVATION are in actor
MINISTER IN in allificator

								DRILL LO)G				SHEE	T NO	. 5 0
SII	Ē	Dans.	te I-	c							HOLE NO.	SK-309			
1	ITUDE	7374		ep.4,	1000	. ــــــــــــــــــــــــــــــــــــ		CONCITAGE 1885'S		<u> </u>	ELEVATION DEPTH		····		674
DAT		Hay IB U		80.4°	1			270° " 90° 00°	HORT	ZON	00.7111				
ANG	LE 	DOM	: フ	0.00	DIRE	CTION		E SLOPE	<u>". D</u>	0.60	·				<u> </u>
<u>.</u>	-		NO.	OGICAL	E.	ă P	SS	DESCRIPTION	IT & DIAMETER	빌	CORE REC-	R.Q.Q	HATE	R PRESS	SURE TES
SCALE (m)	DATE	DEPTH	ELEVATION	GEOLOGICAL AGE	ROCK TYPE	COLUMN: SECTION	Ş 급		BIT &	SPOUND FATER	OVERY %	* (m)	1	N Va Lugeon K Value :	Value c#/sec
S	<u>e</u>		W.	9	-	1//		120,00a to 150,00a. Fresh soft rock			50 1000	50 100 144 H	-ř ľ	0 20	30
· -	25	121.4	552.62	:		1/	ctt	Grey.			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
- 1	55							Joint: 5-10deg (bedding) & 60deg (1						I	
	23					1/		44.40-144.50a; with slickenside & calsite).							
E	1					1/	CI	140.00-140.30a. Bituminous.							
E.	24					1/2		81ack coal:					Upper Deb Lugeon Teb	1h 150 00 th 125 00 the 0 00 0.00000	
1	1/1 (125.00)	175.50	549.5			1/2		143.25-143.30m 145.00-145.05m					K value	0.000	
	3 6	1				1/									: -
	27 5/1 (127.50					1/									
1	(1 <u>27.59</u> 28				}	1/	c.							·	-
Ē.						1//							1 1		
1	29)	129.60	544.27										tipper Des tever Des Eugeon Ya	123 20 18 130 00 10 00000	
1	6/7	-133.8°	547,62	1		1//	CIII						2 (3)32	B.ROAD	
-	(130.80) (130.80)	130.5	59.17			1/									'
	12	i		. : : .											
	13					1/	C1								
				-		1/2							1.		
. ⊫	7/1 65 (136.80)			formation		1/2								.	*
	6 (12 34)	1.5.0	D71.07	Q	Har.	1/		Slaking in 120,00m to 150,00m 125,00-125,30m	68101			447.6			
1	86			Gorne!		1//		126,50-126,90s 127,30-127,50s						1.	
1	17				\			128.20-128.40m 128.60-129.00m						1	1
	8 11 <u>33.00</u> 1					1		130,85-130,95# 134,90-135,00%				4	1		
	iQ.	÷					CII	153.20-135.50# 139.50-139.50#				14872G			
· [_	10/7 [0 (149.00]							141.30-141.50# 143.40-143.80#							
1	0	1				1/2		145.00-145.25s 146.30-146.60m	1 }					- 1	
	"					1/2		149.20-149.50=							
1	12	.1/2.50	531.67			1/2									
1	(97) (143.00)	143.69			1		C111							.	
1	4	ļ				1/	CH							-	. + 11
- ₽	20/2		520 A7												
	15 11 <i>6.0</i> 1	15.7	529.01 529.32			1/	CIV								
	6	165.60	100	7			D-E17		.		n en i	5 6			
					 	1/	8-2561								
	21/7 (147,00)	1/2.82	525.21		1.	1//				ŀ					

SILESON VALUE is 1/ajn/a under injection water pressure of 10kg/cs2 supprils and ELEVATION are in color source for in a initiacetor

A1 - 40

ITE		Dams i		С				Lance Lance			HOLE NO.	SK-309		674.67-
ATITI	UDE	7374.		nn 4	1000		اـــــا	TONGITADE 6885'S			ELEVATION DEPTH	 	<u> </u>	674.07m 190.80m
ATE		Hay I			1989		1		HOAL	10K	DEFIN	 		130.00
NGLE		UP BONN 0	- 17	. 00.00°	DIREC	CTION		270° SLOPE	90. D	- 0°			in a	
SCALE (m)	ш		E EVATION	GEOLOGICAL AGE	ROCK TYPE	COLUMN	X CLASS	DESCRIPTION	S. LAMETER	Y	CORE REC-	R.O.D X	WATER PRES N Va Lugeon K Value :	SURE TEST lue Value
န်	면	DEPTH	ш	띯	꾶	8 .,	90 20 20		F 2	8 3	(m) 0 50 1000	(m) 50 100	0 10 20	30 40
151		_150.90	. 523.17		1 1.4 k 1 1.4 1 1.4 s		0-E111	Fresh soft rock. Grey. Joint: 5-10deg (bedding) & 60deg (150,75-150,90% with clay).			[200] [200] [300]			
- 152 - 153	25/7 [153.09]			Gormel formation	Har!		0-E11	Slaking: 152.40-152.60m 153.30-153.70m			60 60 60 60 60 60 60 60 60 60 60 60 60 6			
154								Cores are dark grey sandy nateriols	\dashv			2		
155	76/7 (155.00)	154.70	519.37 - 518.87			111		only. 154.70m to 168.40m Patrix of Ophidithic Melange.				韓國	1 1 1	1 1
133	27/1			: -		3		Greenish gray, clayey.						
156	31/7 (152.00)	156.06	.5(8.07					Gray-reddish brown, clayey						
158	1/8 (158.20)	158.25	515.82	7 11 11 1	Schist			Reddish brown, clayey.	-					
159	2/8			ange		#								
160	(159,80)	_159.90	554.17	1c He]		*		Brown, partly reddish brown, clays	y.	- :				
161	3/8 (151.10)			Ermenek Ophiolitic Melange		#		161.90-161.95s: sandy and hard.						
162		151.95	_512.12	Suek Og	2	22	D-E	Congloserate.			9 -4838XL			
163	4/8 [163, 20]	153.20	510.87	of Ema	1	1//		Gray, moderately hard.						
164				Katrix		#		Dark gray to brown, clayey.						
	6/8 [154.60)		:	₩		<i>#</i>								
165	7/s (15).99)				z,	199			08101					
166	(127.20)				Schist	#								
167														
٠	6/8 (168.10)					377					ां श्री 			
158	1169.101	159.40	905. 67					Blocks in Merange.	4					
169 170	9/8 (169,30)			:	•	芸		Cores are almostiragements. Many irregular openings are seen, filled by sandy-clayey, brown-			1020	क्षा रहें।		
.,,	10/8 (1/1.20)					异		greenish gray saterials				1, 3		
"	11/8					臣								
172						空	A-8d-c				118.60 X			
173	14/8			5		宝								
174	14/8 (173.66)			Nadire formation	910	臣			. .			113 600		
				re fa	Linestone	王					11161			
175	15/8 (175.20)			ii pey		茔					106.5			
176		_175.00 175.30	_\$8,21 _91,12		12	岸		Hard rock.	1			4,4,8		
,,,	15/8		-31.12			は		Joint: 10-30deg, rarely 60 & 90deg., brown stained			111011		1.	
177	15/8 : [177.30)					囯		175.85-176.40a: Solution, filled t	- 1	1	10.8			
178					٠.	臣	Y-69111	brown Clay.	'					
179						臣						1177		
180						子								

en. 0.0 is fack Quality Designation. R.Q.O-litela) length of cylindric cores larger than 10 cm]/[fotal drill length] x 100% MILLOREN VALUE is 1/aln/a under injection water pressure of 10kg/cm2
REEPH and ELEVATION are in seter SQLMSTER is in millioster

											ידי		nr.		٠.				nim		د. ا	or.	
	SITE		Dansi	te I		 -					nHT!	L LC	טו		HOLE	NO.	SK	309	5HE	ET N	J, /	Ur 	
٠	LATIT		7374			N			LONGITUD	E 6882	.2				ELEVA	1101						674.0	
	DATE		Hay 1		ep.4.	1989			N.A.		 		HOR	170N	оертн	<u>.</u>						190.8	(Om
	ANGLE		DCMM DCMM	. D	6.63. - 80,	DIREC	TION	2 4	310.	30.	SLOPE.	}	. [9.60,						: 			
	SCALE (m)	MTE		Š	GEOLOGICAL AGE	ROCK TYPE	COLUMN	OCK CLASS		DESCRI	PT10N		BIT &	GROUND WATER LEVEL	CORE		∏.Q % (m) ≥ 50		и	ATER PRI N Euge K Valu	ESSURE Value on Value e : co/s	ec .	2 50
	- 16t	3. Age 50		- (\$1.97	<u> </u>	OL.		e some		k. 0-30deg. 60 & 90d	eg , brakn	stained.	333			1			Ì		3		
	- 182							å-86-€]1	181.9	0-160.85n 15-182.45n								a .55					
	183 184 	183) 601 51\8	_183 E5	£90, 22			五五	t-pr-4)II	185.3 187.6	1-163.65a 10-166.00a 15-190.60a 190.50a: S			D8101										
	- 165 - - 166	22/8 (185.42)	184.55 185.35		ורפ למרת	Limestone	辛运	4-te-cit	103.00-1	ŧ	illed by lay.	prava											
	- 187 - 180		186.10	425,97	N N		至芸	±-60-eff								1 [62]	10 mg						
	- i	23/8 (153.40) 76/8 (159.20) (156.50)						Į¥	! ! ·														
	- <i>131</i> - 190	₹59 (190,60)	190.80	453.27			逹				· 	·	DD. 86										_
	- 192 - 193																						
	- 194																				į	.	
	- 195 - 196								! !	-													
	- 197 - 196	:					·			٠.													
	- 199								٠,														
	- 200 - - 201										.*												
	- 503 - 50 5																						
	- 204 - 205				·														1.			1.	
	- 205													-									
	- 207 208										:												
	- 209 210	3 A								·	·												

#H.Q.D to Hock Quality Designation. R.Q.D-(Total length of cylindric corea longer than 10 cm)/(Total drill length) x 100x x10xcm value is Irain/a under injection water pressure of 10xg/cm2 apprile and Elevation are in meter application in millisoter

Al. — 42

ITE		Dans i	te I-C								HOLE NO.	SK-310		
ATITI	UOE	8555						LONGITUDE 6785	····-		ELEVATION		 	520.00m
ATE			4 - Ha	ır .9,	1990			N 0"	nan.	IZON	OEPTH			169.75m
NGLE	11	I BO UP DOMN 0	. V	10.00*	DIREC				90· 🔽	0.00				
SCALE (m)	DATE	ОЕРТН	ELEVATION	GEOLOGICAL AGE	ROCK TYPE	SECTION	HDCK CLASS	DESCRIPTION	BIT & DIAMETER	GROUND NATER LEVEL	OVERY % (m)	R.G.D X (m)	NATER PRESSU N Yahu Lugeon Va K Yahue : (IRE TEST ie alue co/sec
용	å	. <u>13</u>	<u>ದ</u> ್ರ	<u>6</u>	æ	ᅜ	Æ	Fresh rock, light gray.	<u> </u>	8 -	0 50 1000 HEEL HA	50 100	0 10 20	30 40
]	24/1 [1.55]	6.50	_519.10			苦苦		with a little oxidation.			(10) (10) (10)			
3			4.				ADIY	0-0.90m 6 1,55-2.85m: Coras are fragmenyts.				\$		
4	あ/I (3.75)	4.50	_515_40			宝宝		2.55-3.75m 00deg, open joints. 12.20-12.60m						
5 5			•			弄		Small solution along vertical joint is seen.						
,											,8	III III		
в 9	26/1 (0.69)					E E E	MIII							
10						芸芸								
11		11.80	508.20								(JB)			
13	27/1 [12,50]	12.60	507.49			宝		Fresh rock, light gray.			liego.	ž.		
14	:			formation	gre	臣	ADIV	Joints: 20-45deg., rarely 70-60deg. with a little oxidation.	1					
15 16		_15.60	594.40	Nacire fo	Limestone			Solution: Yery rane. 12,90-13,00m Swall solution along 70deg.	OB.86					
17						蓋		joint. 70degvertical joints are seen in the following sections:						
18 19	23/1 [18.60]					芸芸	ADIII	18.60-18.90a 19.90-20.90a 22.00-23.00a			degi.			
20					-	芷芷								
51		22.60	438,00								RIBA			
23		. :			! 	芷	Ag-killi (
- 1	30/1 [24.69]		495,40			莊		Fresh rock, light gray.						
25 26						歪	11d sa	Joints: 20-45deg., rarely 70-80deg. with a little oxidation. Solution is very rare.						
21		27.60	402_40		1	五子		24,60-25.20∢ & 28.90-30.00æ 60deg -vertical joints are seen.				## F		
28							Lz-hiti							
30		30.66	(90.00			표				<u></u>	13571 1881 4	1 1 1		

AND DO IS ROCK Scality Designation. II.O.D-(Inia) length of cylindric cares longer than 10 cs/(Inia) drill length) x 100%

RUPPIN MALEE IS 1/qin/q under injection water pressure of 10kg/cs2

ROPPIN and ELEVATION are in eater

ROPPIN and ELEVATION are in eater

ROPPIN and ELEVATION are in eater

SITE		Damsi	te I-	C								HOLE NO.	SK-310					
ATIT	UOE.	8555			5.7	- -		LONGITUDE 6785				ELEVATION					520.	
DATE				ar.9.	1990		· 	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		:	·.	DEPTH	ļ				169.	75m
NGLE.		190 UF DOMEN	. 🖯	10.00°	DIRE	CTION		270 St. OPE	8	ноя: . Д	0.60°							
œ l		_	ELEVATION	GECLOGICAL AGE	ROCK TYPE	¥ 1.	ROCK CLASS	DESCRIPTION		IT & Diameter	D LEYEL	CORE REC-	R.O.D X	NA.	TEA PA	SSURE	TEST	
SCALE (m)	DATE	оертн	E.EVI		ğ	COLUMN SECT:	ROCK		• i	BIT DIA	GROUND	(m) 0 50 1000	(m) 50 100	0	Luge K Yalu 10	20 3	26£ 5	60 50
			-			弄		Fresh rock, light grey Joints: 20-45deg., rarely 70-80deg	g			10.00			}			
- 31	131 60) 1\(\begin{array}{c} 121 \\ 12	_3)_00	493.00			异		Fresh rack, light gray, Johns: 20-45deg., rarely 70-80deg with a little oxidation. Solution: Yery rare. 30.00-31.00æ 60-90deg. joints are	e seen.	1	l	DECE						
- 32						室) .	Fresh rock, light gray.										
						ع		Joints: 20-45deg., rarely 70-8	ûden			100		:				
33						宝		with a little oxidation		٠. ا		and the second second	(表表) [2]					
34						宝		Solution: Yery rare.										
35						宝		70degvertical loints are seen the following sections:	n in									
36		36.00	431.00			跓		34.40-35.00± 42.10-42.80#				建工品图	6.0					
- 1	1/2 (37.00)					臣		45.00-45.402										
37	<u>U/.9</u> 91					云						3						
38		38.00	48 (50			至						2	24 [1] 81					
39						ᠴ					1 1							ĺ
- (1			i									
40						玉						100731	ner.					
41						臣				.		TEMPE						
42	165'80) S\S		1		:	宝	7-9III						2					
		_43.00	427.00			室							3 8					
. 43		_3/15				茳			* .									
44				tion		洼				4, 4			25	Upper D	epità : 40 epità : 45 relice: 0 0.00000	8		
45	3/2 (45.00)	_5.00	_175.00	Nadire formation	Limestone	臣				DS 86		1.583	14 (20)	t Value	0.0000	§°		<u>-</u> -
				dire	5	压							31023				,	
45				ž		压												
47			- 1	- :		庄								l	[i	. 1		
48		. }	- 1			异				.]			466					
49			}	.		泽												
1	5/2 (50.00)		}			辛							I I I I I I I I I I I I I I I I I I I	Lugeor Lugeor	teoth di teoth 5 traite a 0.000	58.85 58.85		
50	<u>(20.00)</u>		1			跓					Ì			1010	1			ļ -
51						逹												
52	.		.			连			į									
- 1		52.20	467-10			法							12 S					
53					! . '	臣						PEWER						
54		: }	1		I.	莊	Aa-bii							Upper 0	rajiy : ₹0	8	}	
55	6/2 (55 <u>.09)</u>	55.00	405 M	.		岦						12 (12 (12)	1000	tușton k valuă	epin 50 epin 55 10 00000	F6		
			. }			异		Fresh rock, light gray. Joints: 70-80deg.,										
56						[五	Matti	with thin green clay. No oxidation is seen.]									
57						宝												
58		59.80	452,00	.		毕												
					ę.	臣									-	[
59			-			昱	Aatl				· :			Upper e Lover i Lugoon k Yatu	eoth : 50 Peoth : 50 Value 0	88		
	1/2 (60.00)	EC 50	150.00				اــــا	of cylindric cores longer than 10 cm/			<u>. </u>	1000 1	ino og II	r falu	6.000	\$	<u> </u>	1_

AN O.D is Rock Quality Occipination. A.Q.O-(fate) length of cylindric cores longer than 10 cal/flotal drill length) x 100% attention Yule is 1/ain/a under injection water pressure of long/co2 sperill and ELEVATION are in scher production of the contraction of

SOUR LOUIS ACC BUILTY Designation, A.S.D. (Total length of cylindric cores longer than 10 cm)/(Total dell1 length) x 100% NLUECKI YALUE is 1/mino under injection water pressure of 10kg/cm2
APEPIN and ELEVATION are in mater

mineter is in ailliceter

SITE		Damsi	te I-	C									HOLE NO.	SK-310				
LATITO DATE	UDE	0555 Jan 2	4 - 11	an O	1990		!	LONGITUDE 6785	·		<u>:</u> -	-	DEPTH .		 		520. 169.	
	<u> </u>	180 UP			100			510, 20 . CI UDE		· -	10017		DEF III					1011
ANGLE		DOM	, P	10 00. - 83.	DIREC	TION		SLOPE SLOPE		90	2	0.00				<u>:</u>	<u> </u>	
SCALE (m)	DATE	ОЕРТН	ELEVATION	GEOLDSICAL AGE	ROCK TYPE	COLUMN	ROCK CLASS	DESCRIPTION		BIT 6	DIAMETER	GROUND NATER LEYEL	CORE REC- OVERY %	R.G.D : X (m)	MATER I Lu K Va	RESSUA eutak N lav noeg eon val	E TEST	
8	á	片	띠	8	쮼	1,1	œ	Fresh rock, light gray.		- 6	-	<u> </u>	0 50 1000 53 44 14 14 14	50 100	0 10	20	30	10 50
- 91						臣		No oxidation.			- [1	
- :						芸	(100.70m; 30deg. joint, filled by	2cm acos						1			
- 92 -	10.00			1			Illek	clay.	armi Ases	"}	-				1	}	}	
- 93	15/2 (91.0)L	i '			. :	宝		101.20m			-						}	
- 94						空	4.2	40deg, joint, filled by clay.	ica gree	n l		-			Date Only		1	
		/s m				宝		101.45-101.60m	•						Opper Orath : tower Depth : Lugaan Value k Value 0.00	85 FG 600 000		
- 95 -		95.00	425.00			긒		Small solution cavities 45deg, joint, filled by										
96						莊	Ì	clay.					14.64					
- - 97						豆	Aaly										1	
						둧左												
- 98 -		96.00	427.00			臣							22.5					
- 99				[i		至	IIIsk	•			- {				leger orgin :	25 20		
- 100	15/2 [100_00]	100.00	420.00			空	200			-	ı				(boser Geoth : Lower Depth : Lugrous value: R Value: 0.00	∞ 66	<u> </u>	
-				. 1		4	ļ ·	4.										
- 101		101.60	419-69	·		亞	1											
- 102	١.					茊		Fresh rack, light gray. Joints: 10-30deg., rarely 6	0-80dea.		-			農川	1 1.	1.		
- 103)7/2 (103.09)					芒		Partly filled by th			1			14	1 1	1		
- "	1 1			,		豆		No exidation.			1	- '				}	1	}
- 104				etion	g ₂	宝	¥a1¥								ipper (e)th: lover Depth : lover Depth : k Velue 0.00	8 20 6 20 6 20		
- 105				fors	Limestone	宝				08.	86		11300	1 Second	k Valua 0.00	coop		
- 105				Nadire fordation	3	宝] .[
-	22					弄											ļ	
- 107			. 1	i		臣							2 January	*			-	
- toe	19/2 (108_00)	. 199.60	412.50			茔					- (
- 109	.		İ			呂					-							
- 03						翌	iliek				-			(0.54)	Upger Depth : Loser Depth : Luncon value a Value 0.6	80 00 00 00 00 00 00 00 00 00 00 00 00 0		
- 110						宝	[]				- }			1000	12.00	1	1	
- 111			. !			完						ž, se	Reserved			1		1
112		<u> </u>	609,50			垤		Fresh rock, light gray.										1
112	20/2		1			至		woints: 30-40deg., partly (by thin green clay.	illed					1.1.2		.		
- 113	89/2 (113.69)				:	臣		111 50-111 60x & 119 00-119	.90a:									
- 114	:				١.	异		30dag. joint, filled by reddish brown clay.							Upper Dooth :	10 0		1
.]						亞		, manager and Other Manage					1.81		Upper Dobth : Loves Debith : Logeon Value. L Value 0.0	15 P0 9 20 6320	<u> </u>	
- 115	• *	1				垚						- '						
- 116						芸	in a serie											
- 517			. (亞								1.6		.		
			٠. ا	1.1		莊					ļ							
119					i	玉					-[y					
- 119				. 4		芸				1					Upper Cepth :	115 29	1	
120	21/2	im m	4/0 64		- 1	垚		<u> </u>							Upper Debth: Lower Debth: Logson Value k Value 0.0	120 DO 00000		<u></u>

120 1130.05 120.05 200.00 200.00 12.11

M.O.O to book quality designation. H.O.O. ((total length of cylindric cores longer than 10 cal/(Total drill length) x 100% MUNECON VALUE IS 1/oin/a under injection water pressure of 16kg/ca2

MEPIH and ELEVATION are in mater approximately and the color approximately is in oilliseter.

MI.C.D is Nock bublity Designation. A.O.D-(lotal length of cylindric cores longer than to cel/(lotal drill length) a 100% MILECKE WALLE is likeling under injection water pressure of 10kg/cs2 MODERATION are in seter MODERATION are in seter.

ΙΙΕ		Dans i	te I	C					HOLE NO. SK-310								
ILIV	UOE	8555						LONGITUDE 6785	<u> </u>		ELEVATION	520. 169.				520.0	
ATE				lar .9,	1990			Marie T	5850	510M	DEPTH	 -				109.7	, am
V6LE	· · .	121 UI 2003	c 🔽)- 50 10.00	DIREC	CTION		180 180 182 80. ST OLE	Г	7 0 00							
Ê			ਣ	E P	8	<u>چ</u>	SS	DESCRIPTION	0313	LEVEL	CORE REC-	n.a.D	HATE	R PRE	SURE	TEST	
SCALE	DATE	DEPTH	ELEVATION	GEOLOGICAL	ROCK TYPE	COLUMN	ROCK CLASS		BIT & OTAMETED	GROUND	OVERY % (m)	% (p)		N V Lugeor K Value	Yalue : ce/s	c	
ŭ,	<u>a</u>	8	្រា	<u> </u>	┼≝╌		ř.	Fresh rock, light gray.	œ	8	0 50 1000 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	50 100 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1-1	0 <u>21</u>	30	1	<u>0 :</u>
151						臣		No exidation.		1					-		
						茔					142EM	8				-	
152						茳	MILEY			1				1			
153			1			王											
154													Ugaca De	150 0	.		
155	173.00 <u>)</u>	155.00	363.0	8		异							Luctor to	(h : 150 k (h : 155 k (les: 0 k 0.00000			
ł	. 1		•	ır mat;	1 E E	吕			}							1	
155				Nadire formation	Linestone	异			}						- 1		
157]		Mad		朝				1							
\$58			•			臣						35342313 35343					
	1.5			-		宅	AaII		ļ							-	
159	5/3					笠						i ka jeni. Talika	Upper De Laver De Lugéon Y	th : 155 p th : 150 p tee: 0.0 0.60000			
160	[1 <u>60.00]</u>					跓			08.86				1 13102	-	_	-	
161				1:								rupy gan		1		1	ĺ
162		_161.A1	353.1	 	-	<u> </u>		Claystone. (Mark brown, with achistosity partly.	1								
[6/3	152.65	207.4		Claystone		C-Cavi	Sendatore, dark brown.		ľ		2 [54]					ł
163	6/3 (153-15)	-19.8 -19.6	- M .	Melange	Cityclas Saltra	WWW.	C Oavi	-/Claratone, dank gray black -/Sundakone, gray.		1						1	l
154		161.25	<i>3</i> 55.6		Therefore		CaVI	Claystone, reddish brown, with limstone iragents, Schist, green clayey,								١	
165	, .	_164.75 _165.19	255.2 _254.5		Schlat	377	DaVI	Schist, derk gray-bleck, elogny.				5 10 111				.	
166	7/3 (186.00)							Reddish brown, partly green. Hard Contain some linestone fragments.				146001					
				Ermenek	e e											ļ	}
167					Claystone		BaVI				11.12					. }	i
158	(165.07)			Matrix of						-	119(0)) (16	9 (5)				.	ĺ
169		_159.01	701.0	1				A STATE OF THE STA			res lo pe	9 (4)			j]	
	9/3 ((69.75)	159.75	350.2	ļ	Schist	1999	DaVI	Schiot, dark gray-black, clayey.	-			441111					_
170														-			
171	· ·					}										.	İ
172															1	<u> </u>	İ
173															-		ĺ
7			1.1		'											- 1	
174	1.		.:		4												
175	:				1					1				. }			
176	.					. 14				'							
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170	4		4.			. 1									į		
179															.		
		1		1	1	1:	1	4.1		1	\mathbf{u}	11111111	l l'·	1 1	ł		1

MI.Q.O 13 Rock Quality Designation, R.Q.D-[Total length of cylindric cores longer than 10 cm]/[Total drill length) x 100% MILEC NATURE to Identify under injection water pressure of fokg/cm2 MDEPIH and ELEVATION are in meter approximately in an approximately in an approximately in an approximately in an approximately in an approximately in an approximately in an approximately in an approximately in an approximately in an approximately in a proximately in a proxi

SITE		Damsi	te I-	C		•			_		HOLE NO.	SK-313					
LATIT	JOE.	8720.						LONGITUDE 7216.38			ELEVATION		-			729.0	
OATE		0ct.2		9 - Na	y 31,	1990	·				DEPTH	1	- · · · · · · · · · · · · · · · · · · ·	 -		425.0)0ก
ANGLE		190 UP DOWN D	.)	0.00,	DIREC	TION		190 2 9 STODE	<u>". [</u>	0.0							
SCALE (m)	DATE	CEPTH	ELEVATION	GEOLOGICAL AGE	ROCK TYPE	COLUMN	ROCK CLASS	DESCRIPTION	BIT & OTAMETED	GHOUND	CORE REC-	A.O.O 3. (m)	WAI	ER PRO N Luger X Value	SSURE Value in Value ca/s	ec	o 50
· ·		2.50	729.15	(C) Network	tes coll		<u> </u>			-		H (III				ا	¥ <u>¥¥</u> ,
_ s						퍞		Highly weathered rock. Cores: 50% of total length are fragments.				蠿!!!!		.			.
- 2								Joints: 50-70deg., stained brown, with clay.									
_ 3	2/10 (3.00)					完		. :		1	8						
-						昱				4/10 G. N		#				·	
- 1	3/10		311.55			茊						6.54					
- 5 -	[5.00]	5.20	724.65			昱		Highly weathered rock. Cores: 50% of total length are fragments.	1								
- 5		- :				岦		Joints: 10-30 & 90deg., stained brown, with clay.									
- 1						呂		Solution: Many but small tregularly.									
— в	4/10 (2.50)					臣	ACIV	9.60-10.20m: Cave, 2-3cm wide, with calcite.				. 5					
- 9	19.00					茔				2/10 9/20 19:50	i ioi i						
- 10	5/10](0.00)	9,50	720.15 719.45			芸		in the sales		11/1 19.85							
- 11		TV.EC	712.4			芸		llighly weathered rock. Cores, 50% of total length are frageents.									
						昱		Joints: 10-30, rarely 69-89dag., stained brown, with thin clay.									
- 12)					*	臣		Solution: Many but small irregularly.		17/1	9 (20)	14					
- 13	7/55 (14.00)	13.25	715.40			逹		Cores are mostly fragments. with solution and clay.									
- 14	(14.00)	14.19	715.55	tion		逹		Highly weathered rock. Cores are partly traggents	1	12/1							
- 15 -				formation	Limestone	翌		Joints: 30-40deg., rarely 60deg., stained brown, with thin clay. Solution: Hany but small irregularly.	03.11	۱							
- 16		15.50	717.RS	Nadire) . 5	宰		Slightly weathered rock.	1		inglish.						
- 17	19/10	17,00	212.65	, ,		芸		Joints: 10-30deg., stained brown cartly.			1,199	g					
- 18	[17,50]					岦		Solution is rare.			is eit						
- 1 9						丟								:		'	
.						去					16 17 4 5 1 A	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
- 20						臣											
- 21	(21.02)	21.25	_200_50			[포	AbIV	Slightly weathered rock	1		7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7						
- 22						茊		Joints: 10-20 & 45deg., stained brown.									
- 23	12/10 (23.00)	i i				栞		Solution is rare. 21.15-22.00x 90deg joint, brown stained.		14/1 R1.6			14632	1.25	. 50	(1) to	120
- 24						弄		prose states. 24.10-24.80s: 70-00deg. joint 6 cave with clay(1-3ce).		-5/142							
.	13/10 [5_m]	25.00			-	竖					a luabola		Lower is upean it fail	Path : 25 Path : 25 Patue 177 e : 0.000	80		3P=0
						苤		Slightly weathered rock. Joints: 10-20 & 50-80deg., stained brown.						[-			
- 26	14/10	26.60	701.65			宝	Abili	Solution is rare.									
- 27	[27.03]	27,00	792.65			콬		29.40-29.90m Solution (1-3cm) along Bodeg, joint, with clay 6 calcite.			0200			-			
- 28						靐	∧b1¥	29.00mc Sodey, joint, with thin clay.						Opper D	25 ± 57		
- 29	56/10 (29.09)	23.02	20.65			昱				18/1				Liover O Liveeon Livalue	oth : 27 pto : 29 Pilve: 19 0.0000	[6 	ļ
30		39.60	699.55			臣	Ab-c [¥			129.5	o 35 181	PS PS	Lower Lugeon Lugeon	Dipth : 2 Dipth : 3 I faice : 3 2 : 0 000	188 188 188 188		1

en.a.0 to fock Quality Designation. B.O.D-flotel length of cylindric cores longer than to col/flotal drill length) x 100% will be the second of the second o

LATITUDE 8720.74 LONGITUDE 7216.38 ELEVATION	729,65m 425.00m WATER PRESSURE TEST N Value Lugeon Value K Value: Cafsec 10 20 30 40 50 Lugeon Value K Value: Cafsec 10 10 20 30 40 50 Lugeon Value R Value: Safsec
ANGLE UTO 000 OTRECTION 200 SLOPE SO SLOPE SO CON SLOPE S	MATER PRESSURE TEST N Value Lugeon Value K Value: ce/sec 100 0 10 20 30 40 50
ANGLE ANGLE	N Value Lugeon Value K Value: Cuf/sec 300 0 10 20 30 40 50 Lugeon Option: 300 00 50 Lugeon Option: 300 00 50
The column The	N Value Lugeon Value K Value: Cuf/sec 300 0 10 20 30 40 50 Lugeon Option: 300 00 50 Lugeon Option: 300 00 50
131,00	(Oser Oloth: 1100 250
31.10-31.20 \$ 33.00-33.10ac 650cs. joint, with clay. 35.70-35.00a. 36.01 37.02-35.00a. 38.02-35.00a. 38.02-35.00a. 39.02-35.00a. Chine College	
500-50, Josef, with clay. 35, 70-35, Bosef, with clay. 35, 70-35, Bosef, with clay. 36, 70-35, Bosef, with clay. 36, 70-35, Bosef, with clay. 37/10 187/	tipper Cleath: 31 00 to the cleath of the cl
35 18/10 15/20 15/	topes file: 50 go
36 21/19 15.5.5.5.5.5.5.5.1.15 15.5.5.5.5.5.5.5.	User Depth: 33 00 Liver Depth: 35 30 Liver Depth: 15 90 Liver Value: 4 000000
38 19/10 (97.20) 49.40 (19.50)	Ut per Opsit : 35 00 I deer Opsit : 37 00 I deep Value : 17 00 I know : 48 00000
183.59	
	Upper Debits: 17 to 0
60 0000. 39.00-40.50ax Many solutions (1-3ce) 17-17	tipper (beyth: 19 to finear (beyth: 1, 1, 10 tupper foliar telle: 0.00000
42 -2.00 Ed. 51.55 11. Slightly weathered rack. (47.1)	Upper Delh: 41 00 time: Sighh: 43:00 lugeor falur: 0160 t 15:10: 0.000059
27/10 Joints: 50-70, rarely 30deg., steined 27/10 100	
44 vith clay. 45 50-47 100 (1-2ca) along 60-90deg. 50 101 101 (1-2ca) along 60-90deg. 50 101 101 (1-2ca) along 60-90deg. 101 101 101 101 101 101 101 101 101 10	Open Opin : 47 09 toer Opin : 45 00 toer Opin : 51 00 toern Value : 61 00 t Value : 0,00000
20/10	:: Upper Depth : F5.00 Corer Depth : F5.00 Corer Depth : F7.00 Corer Depth : F7.00 Corer Depth : F5.00 Corer Depth : F5.00
Many solutions (3-10cm) along 60-90dsg. July J	
49 (65.00) 49 (69.00) 17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	upper delta: 47.00 4 twee (light): 67.00 Lington value: 17.00 E faire: 0.000000
Says Says	
62 27710 AC-dIV 53.00-54.50 Cave. filled by very hard brown sandy clay & resk fraggents.	lippy Depla 31.00 Long Depti 51.00 Longert Value 4.00 Longert Value 4.00
53 55 65 65 65 65 65 65 65 65 65 65 65 65	
55 to col 55.50 Etc. 15 Lany solutions along joints. 55 to col 55.50 Etc. 15 Lany solutions along joints. 54.50-55.00a. Cave. filled loosely by geen clay & tragents.	Super tests : 5 to liter lesis : 5 to liter lesis : 5 to liter lesis : 5 to liter lesis : 5 to liter lesis : 5 to liter lesis : 5 to liter lesis : 5 to liter lesis : 5 to liter lesis : 5 to liter lesis : 5 to liter les in lite
- 56 55.00-57.00m Many small solutions 11-3cm) along 600eg. Joints. with green-broad clay.	(boer Cpih : 55 00 (cert Both : 55 00 (beer Both : 54 00 (beer Both : 54 00 (beer Both : 54 00 (beer Both : 55 00 (beer Both :
57 O.O.61.00m St. Color St	
50 50 11-30 1 1-30 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Typer Capth 5 00 Common Tagen (1970) 2 60 Tupen Value 1,50 Tupen Value 1,50 Tupen Value 1,50 Tupen Value 1,50 Tupen Value 1,50 Tupen Value 1,50 Tupen Value 1,50 Tupen Value 1,50 Tupen Value 1,50 Tupen Value 1,50

RIL.G.O to Tock Quality Designation. R.O.D-[fatal length of cylindric cares longer than 10 col/(fotal drill length) x 100X.

RIDEON VALUE IN [/ain/a under injection water pressure of 10kg/cs2

RIDEON VALUE IN [/ain/a under injection water pressure of 10kg/cs2

RIDEON VALUE IN [/ain/a under injection water pressure of 10kg/cs2

RIDEON VALUE IN [/ain/a under injection water pressure of 10kg/cs2

RIDEON VALUE IN [/ain/a under injection water pressure of 10kg/cs2

RIDEON VALUE IN [/ain/a under injection water pressure of 10kg/cs2

SITE		Damsite I-C							HOLE NO.	SK-313					
LATIT	UDE	8720.		<u> </u>			1 5,3	LONGITUDE 7216.38				ELEVATION	<u> </u>		729.65m
DATE		Oct . 2.		9 - Na	y 31	1990	·	N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-	N-0° umizor				425.00m		
ANGLE		031 93 MMOQ 0		.0.00	DIREC	CTION	- (-)	200 S 0.00. SLOPE	90 °	Z	0.00				
SCALE (m)	DATE	ОЕРТН	ELEVATION	GEOLOGICAL AGE	ROCK TYPE	COLUMN	HOCK CLASS	DESCRIPTION		BLI & DIAMETER	GROUND HATER LEVEL	CORE REC- OVERY % (m)	N.O.D X (m)	MATER PRESSUR H Value Lugeon Val K Value : Ce	iue s/sec
S	31/10	8	_ 뮵	3	æ	臣	ă			<u>.</u>	8 =	50 1000		0 0 10 20 Subject death : 66 00 tower depth : 61 00 E tower depth : 61 00 E false : 0.00000	30 40 50
6(161,001	61.00	664.65			昱	Ac-diy	Slightly weathered rock. Joints: 20-30deg., rarely 70deg., stained brown.	-			1000		i falue : 0.000000	
65						艺		62.80-63.20x Cave (5-iOca), filled by green clay completely.				a a de la composición dela composición de la composición de la composición dela composición dela composición dela composición de la composición dela composición de la composición dela composición dela composición dela composición dela composición dela composición dela composición dela composición dela composición dela composición dela composición dela composición dela c		Upper Septh: 6,00 Lover Septh: 6,00 Logon Value: 1,40 It Value: 0.00000	
- 63		53.50	_ !!! .!!!			丟		63.20-65.60m: Fresh rock, Solution is very rare.				20 E 2 E 2 E 2 E 2 E 2 E 2 E 2 E 2 E 2 E		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
- 64	1/11					氢	¥c-4)11						121	tipper Oroth : 63 00 tower Dipth : 65 00 Lugren falue: 1 (0) k falue: 0.00000	
L 65	<u>(65,00)</u>	55.00	.564.65			臣		Slightly weathered rock. Joints: 30-40deg., rarely 70deg., stained brown partly.		İ		7 TE 12			
- 66	2/51 [67,00]					茎		Solution is very face.					i e	toper Dipth: 65 00 tower Dipth: 61 00 tugeon fature: 06 90 k Yallur: 0.000000	
67 68		, l			2	崖				i	6/11 (57.90)				
69	3/11 859.50)	. }				三	Ac-div							S Upper Depth : \$7.00 Lower Depth : \$9.00 E Lugeon Value: \$3.30 k Value: \$0.00000	
70		69.70	659.96			昱		Slightly weathered rock, Jaints: 40-50deg., rarely 70-80deg., stainedorous,	_		29/12 [70.00]	1272		0	
	1,1'60 1,11					達		stainedbrows. 69.70-70.30m Vertical joint.						Upper Depth : 69 00 Lewed Depth : 78.00 Lugeon Value: 4 00 k Value: 0.00000	1
72						芸		70.70-75.10m Cays, filled completely green-brown clay.	t					1000 Death : 71.00	
73	6/11 573.00]	73,00	_656.55			幸		71.50-72.10x Cave slong 50deg. joint filled by clay & calcite completel	ý.					topper Depth 71.00 Lever Depth 73.00 Lopph Value 4.50 1 Talue : 0.00000	1 1
- 74				ion			Acili				9/11 [74.35]			Uncer Depth : 23 00	
75	7/11 [75.00]	75.00	_\$\.65	: formation	Limestone	芸		Slightly weathered rock Joints: 30-40deg., rarely 60-70deg., staine@orewn	-	39. I 186	13/11 (15/11) (75.40)	1.64	A.	Upper Debth : 33 to Lower Debth : 75 bo Lower Office : 0 bo t Value 0.000000	
- 75				Nadire	5			Yery small solutions are seen		::				Loser Depts : 75.60 Loser Depts : 77.60 Loser Steet 4.40 Loser Steet 4.40	
11	N/11 [77.03]					逹		irregularly. 75.60-77.00m: Cores are fragments.				encal.	446	(uptor Yaluz: 4.40)	
- 78						岦		77,80-78,00m & 80.30-81.00m Solutions along 60-70deg. joints, open.	ica		4/1 [79.20]			Upper Depth : 77.00 7 Lower Depth : 79.00 5 Lupeh Value : 4.50 6 k Value : 0.00000	
- 79	9/11 179.63					逹	ACIV				21/11 19/01 19/03			k Value : 0.00000	+ -
- 80	10/11	.			::	居						(100)		Upper Digth: 79 00 Lower Oppth; 5100 Logest Fallot: 9 60 k Falue: 0.00000	
- 0i	(01, 6c)	61.07	<u>6:9</u> .85			屋		Slightly reathered rock. Joints: 30-40deg., rarely 70-90deg., Stained broke.			14/11 (51.00)	1000			
- 62	11/11		,			臣		81.00-83.70m Many solutions (1-3cm) irregularly, 1-3 cm upen, partly filled by green clay.						those Dook: toser Ooth: toser flots and tosers false: a false: 0.00	#1 to
- 83	(53.02)	. es. 60	648.6 5			弄		83.70-85.00 Fresh rock, without solution.			15/11	11.00 WH		toer Both: Lover Colk: Lovers After Lovers After Salid: 1.00	
- 64 -	13/13 (65.69)	65.0°	en ez		. •	選		Slightly weathered rock.	_		(6/11 (6/25)	1	e 8 i	typer lepth : ty	E9 60 E5 00 12 00 0000
- 65 85		A. U.			,	Ξ	ACIII	Slightly weathered rock, Joints: 30-40deg., rarely 70-90deg., stainedbrown. 85.00-86.60% Hamy openings it-Zeol irregularly, partly filled by clay calcite.			-			(1) 10 10 10 10 10 10 10 10 10 10 10 10 10	
- 68 - 02	14/11 \$87.00]	87. M	69.83			茎		86.20-86.60m ica clay along vertical joint.					4.5	Abper Sigth: 85,00 (flower Gight: 87,00 (flower Gight: 87,00 (flower Silve: 55,00 (t Yalue: 0 (2000)	SUP OP=0
- 87						逹		Slightly weathered rock. Jaints: 30-40deg., rarely 70-90deg. Stained prom. 88.50-99.20% Fresh, with seall							
- 88 - 69			- 1			芸	ADIV	opening along vertical joint. 69.20-90.00m: Yeri scall opening along 70deg. joint.						tibper dools : 47.00 st tower opin : 37.00 st tower opin : 37.00 st tower opin : 28.00 st tower opin : 28.00	
90		90 00	639 65			茊	: :							Lipper Depth: 7.00 Lipper Depth: 9.00 Lipper Talue 2.60 Lipper Talue 2.60 Lipper Talue 2.60	

M. 0.0 is note Quality Designation. A.9.0-tiotal length of cylindric cores langer than 10 cal/fotal drill length) x 100x MILEGON VALUE is 1/oin/m under injection water pressure of 10kg/cs2 MEPHS and ELEVANIWS are in mater of the pressure of 10kg/cs2 MEPHS in oilliseter GP: Gauge pressure

A1 - 51

ITE		Dans i	te I	С							·	HOLE NO.	SK-313			
ATTTUDE		8720.							LONGITUDE 7216.38			ELEVATION	 	729.65m		
ATE		Dot.2		39	- Ma	y 31.	1990					DEBIH	1	 	425.00m	
NGLE		190 UP 10401 0) -,	0.00 20.	DIREC	TION		180 2 0 00 STODE)	a*					
E			NOIL	CEDI OCTORI	AGE	TYPE	OLUMN SECTION	छ	DESCRIPTION	IT & DIAMETER	A LEYEL	CORE REC-	A.O.D %	MATER PRESSURI N Yajub	E TEST	
SCALE (m)		HL	ELEVATION	Č		<u>ğ</u>	COLUMN	දි වූ		BIT (SACUND	(m) 0 50 1000	(m) 50 100	N Yalus Lugson Yalu K Yalus : ca O 10 20	/sec 30 40	
91	35)					٠	异		Slightly weathered rock, Joints: 30-40deg., rarely 70-90deg., stained brown rarely.		}					
92 182.1	121	92 (S)	637.6				屖	YPIA	90.00-92.00m with very small opening along 70deg. joint.		ľ			toper Depth : 40.00 c tover Depth : 42.00 c tugtof Yalur: 12.00 t Yalla : 0.00000		
93		93.10	.636.5				弄		Slightly weathered rock. Joints: 40-50deg., rarely 90deg., stained brown rarely:				81.0			
94						•	譯		Nith very small solution rarely. 96.00-97.00m: Vertical joint, brown		22/1					
95 55.1	11	. : .					莲		stained.		19/1 19/1 (34.75) 20/1					
~							窑				<u>195.23</u>					
95	(3)	97.07	635.6	,			逹					12 Bi	u 8	ther thath: 92 00 tower thath: 97 00 tower thath: 97 00 together 1 00 k Value: 0.00000	-	
97 197.5							達	YPIII	Slightly weathered rock. Joints: 30-50deg., rarely 90deg., stained brown rarely.							
99							臣		With very small solution rarely. 100.00-100.40s: 1-2cm openings irregularly.				13452 1477			
100 1166	 						弄		101.20-101.50m: 1-2cm solutions, partly open, along Bodeg, joint.		22/11 (100,40)		S & S			
101							弄				<u>{(00,40}</u>					
105 (195	11 (8)	102.00	67.6				屋						10 5	open Dep in 197. Tower Stop in 1822 Updon Value: 6. Value: 0.00000	88	
103							臣	Abīv	Slightly weathered ruck, Joints: 30-50deg., rarely 90deg., stained brown rarely.							
104 1551	11 (CC)	104.00	625.6		E .	٠.	茎		Hith very small solution corely. 103.50-104.00x Solution (0.5-ice) along vertical joint, filled by clay 5		ł				<u> </u>	
105	-				formation	Limestone	是		calcite	09.116					.	
106	-	_105.4S	(21.2		Nacire	Lime	逹	ADITI	Slightly weathered rock. Joints: 30-40deg., rerely tO & 70-80deg. stained brown, partly clay & calcite.	1						
107 (197.	;;,	J97.00	F22.60	1	2		幸		With many small solutions (1-3cm) along		開開		. (S			
108)					.		茎		joints.							
109 1199	001				٠	٠.	逹			٠.		11.81		Libier De Ligron V	104.0 109.0	
110							艺			1						
111					.		逹									
112 (02	201						昱	ADIV			(115°20) 5\15					
113			- 1			-	宝								100 00	
2771 114	(0)	114.03	615.6				医		Flashia masis d care				1148		109.00 1 : 114.00 1 : 17.40 6 : 00000 GI	
115							堂		Stightly weathered rock. Joints: 10-30deg., rarely 50 6 90deg., stained brown rarely.							
116		. }					岦		No solution in general.							
2071 1115.	::a	_116.E	. 612.E		•	٠.	型	-								
118							臣				25/1 (117.69)					
23/1 119 1119.	200]					. •	幸	131101						tippe (bepth : 14 00 Lost (bepth : 19.00 Lugein Value: 4.30 t Value: 0.000000		
120		120.00	503.6		-		屋				1			Upder (Desir Liber Tep) Liber Tep) Liber Yali	n 119 60 in 120 66 les 15 90 0 006000 G1	

SITE	- Inc	Demsite I-C						HOLE NO.	SK-313		729.	65m			
ATT	UDE	0720. Oct.2		Q = Ma	: w 31	1990		LUNG11UDE 1/210.38	····		ELEVATION DEPTH	 		425.	
DATE		100					-	540. 1 0, 20, 1ct thic	HORI	ion	DEL TIT	:			
INGLE		DOM		8 60. 80.	DIREC	CTION	25	SLOPE 9	. D	0.63, - 0,		<u> </u>		·	
			ੜ			ĕ	န္ဌ	DESCRIPTION	띮	194 194 194 194 194 194 194 194 194 194	CORE REC-	A.Q.D	WATER PRESSU	RE TEST	
SCÁLE (m)	نیا	<u>=</u>	ELEVATION	GEOLOGICAL AGE	ROCK TYPE	COLUMN		occurre 7201	IIT & DIAMETER		OVERY X	*	N Yalu Lugeon Ya K Yalue : c	lue	
SC	S E	ОЕРТН	H	င္ဟ	3 <u>0</u> 2	<u>ខ</u> ល	凝		911	SATER STATES	(n) 0 50 1000	(m) 50 100	0 10 20 0 X Value : 0	a/sec 30 4	0 50
		120.50	609.15			压	HIIGA	Slightly weathered rock. Joints: 10-30deg., rarely 50 & 90deg., stained brown rarely. No solution in general. 121.00-121.90x 1-2cm opening, partly filled by clay & calcite.		(1 <u>26</u> .50)					
- 121	2/12 (131,50)	1.5	٠.			莊		No solution in general. 121.00-121.90m: 1-3cm opening, partly				13	E-S-AE-2		
- 155	Jee W. Hate	121.50	_597.75	- 1	-	臣		Slightly weathered rock.							
					:	芉	ADIV	Slightly keathered rock. Joints: 20-30deg., rarely 70deg., stained brown partly.		6/12 [122.70]		7			
123						臣		Very small solutions are namely seen.			1012131822		Liber De	15.90 15.15.90 16.0000	
- 124	(151°00) 1\(15	124.00	605.65			렆						4261	i Sine :	8 60000	G₽=0
	· - [亞									
- 125						跓	HIGA		Ì	Ì		12.15	5.4		
126	.5					豆				18/12 (125.15)					
,,,,	(15 <u>2 62)</u>	126.65	602.81			뫂									
- 127	. "-				- :	苤	٠.,			13/12 [127.20]					:
- 120]				臣	ADĮV						year dea	D 124.00	
- 129	6/12 [629.00]	128.00	. E00.E5			垚						a 80	Lucian Vi L Vilse	124.60 129.60 125.60 0 00000	GP≈(
16.3	1.	'	1			玉	'		İ						
130						异									
- 131					-	臣	. '		İ						
	7/12		2			宇	Abiii				1.8	J.			
- 132	(132.60)				٠.	铝	. '		08.115						
133						跓		ta Tarakin		5/1 [133,50]	15005		Upper Cepth 129.00		
	6/12 [131.00]	133.50	595.65 295.65	_		罡]			(133.50)	14.83	1.69	Lipper Cepth : 829.00 Lipper Depth : 834.00 Lipperh Yaluer 4.50 2 1 Yalue : 9.00000		
- 134	(111.00)	_111.44	20.00	forsation	<u>a</u>	茳		Slightly weathered rock. Joints: 20-40deg., rarely 70deg., stained brown partly.	ļ				1 Value: 9 Occoo	· [
135			:	for	Limestane	岊		133.50-134.20m Small solutions along joints, partly open.							
				Nadire	3	上		138.10-138.60m 0.5-icm opening along 70deg joint, brown.		ŀ					
136	9/12			, 2 2		辛		141.60-142.00m; 1-2cm open along 90deg.			in sail			- }	1
137	(1 <u>35.50)</u>					宝		141		5/1					
138		4.4	٠.			荘			}	(137, 85)	\$6.753		2		
	13/15					亞							Lover Depth: 144.00 2 Lover Depth: 199.00 Lugeof Value: 2.90 2 k Value: 0.00000		
- 139	(139 (5))		.			芸	ADIV			1739°40/ 54/1				 	
140						뫂			Ì						
					* *****	茔				a√i		¥ (§			
141						臣				(14).15)					
142	[165 [6]	745.00	_507.65			毕		Slightly weathered rock.							
		:				亞		Joints: 30-40deg , rarely 90deg , stained brown partly.		27/1 (107.00)					
- 143	an / 44					軠		Many small solutions (1-2cm) along joints, partly open, generally filled by green clay & calcite.			101001.10		Upper Dept Linear Depti Lugedh Val It is lue :	1 : (39 F0 1 : (44 -90 12 13 73	
- 144	15/12 ([44.00)	14150	¥6.65			亞	<u> </u>	green clay & calcite.				***	Lugedh Val k Yafue :	0.0000	GP=
[臣									[
145	7				:	芉	IIIdk								
146			:			臣				19/17 [145.19]				1	l
	18/13 (147,03)	147.00	582.65			몶			08.101						
14/	13/12				: -	井	YPIA	Slightly weathered rock. Joints: 30 & 50deg., Stained brown	L				- -		
148	[140 66]	1/0.60	_201 TQ		17.1	臣	1,000	partly. With very small solutions receiv.			FILL STATE				╁
(40						毕	Abiii	147.70-148.50m Old cave, filled by hard clay & fragments, partly upon 0.5cm.							
149						亞	MULLI	cray a reagazante, parety open (u.5cm)		26/12 (149,73			Upper tepth Lower drath Luczoe Valus	15 00 15 00 11 30	
150	لنبنا	150.66	279.60	لبسيا		뜨	l	of cylindric cores longer than 10 cm/{[otal	1	ـــبــــ	1 ((d)oil) 22	1.0 20 km/d	Legal talve : 0	cocco	GP≂

#1.0.0 is nock quality Designation. II.8.0-ilotal length of cylindric cores longer than 10 ca)/[latal drill length] x 100% guested walks is I/sin/s under injection water pressure of 16kg/cs2 september 12 between the seter colors. In the colors of the col

SITE		Dassite I-C								HOLE NO.	SK-313		729.	65.	
LATIT	UOE	8720. Oct.2) - M=	y 31	1990		LONGITUDE 7216.38		1	ELEVATION DEPTH			425	
		IGO		90				540, 0 30, CLODE	HORI	ec#					
ANGLE		DOMAI O	. ワ	0.00*	DIREC	TION	100	Januare Jatuare	, <i>D</i>	0.05					<u> </u>
SCALE (m)	Œ	ОЕРТН	ELEVATION	GEOLOGICAL AGE	ROCK TYPE	COLUMN	ROCK CLASS	DESCRIPTION	BIT S DIAMETER	GROUND HATER LEVEL	CORE REC- OVERY % (m)	R.Q.D % (m)	N .	SSURE TEST Value n Value : co/sec	
ន	E BATE	8	ᆸ	병	<u> </u>	<u> L.T.</u>	æ	Slightly weathered rock.	<u>66</u>	ts =		50 100	0 10	0 30	40 50
- (51						긒		Slightly waithered rock, Joints: 10-30deg. B 90deg., stained brown partly.	i	29/1					
.]					٠.,	逹	Abiii	(51,00-152,00m; Nany small openings (0,5-1ce) irregularly.		((51.45)				,	1
- 15 2	56/15		· .			垚		152.00-154.20m. Yertical joint, generally filled by clay, partly open(0.5cm in max.).					Indeau (pin : 150 00 pin : 151 00 pin: 11 30 : 0.000000	GP≈C
153	[153.00]	153.60	576.65			莊	Vida	cray, partly openio.sco in max.1.					- 11165		
- 154		_154,20	. 575.45			芷	7011								
- 155	27/12 (155 20)	158,32	574.90			퍞		Slightly weathered rock. Joints: 20-codeg, & Bodeg, Stained brown partly.	}	}	7	166		2. 4	
			·			莊	ADITI			12/1				1:	
- 156						렆		154.40-154.75cc 1-2cc opening along 40deg. joint.		११५६ ट्यू		\$\$			ļ
- 157		157.20	572.45			岸		158,80-180,004; Open joint, 60-90deg.; brown staited.	l				Upper Jepth : 153 Lover Jepth : 156 Lugeon Value: 1. Yalue: 0.0000	80	
- 158	28/12 [158.60]		,			靐	Abiy				148		tegeon Value: \$ fallor: 0.0000	§	-
- 159		153.63	570.65			弄					18.3				
	29/12					辛				30/12 (159.70)		38		:	
160	160.001	150.00	569.65			异		Fresh rock. Julius: 30-40deg., namely 50-70deg. Oxidation is very name.]	•					
- 161						辛		Oxidation is very none. No solution.							
162						茊				15/1 [152:50]			terms for	in : 558 00	
	30/12 (163.00)		•			苙				(<u>152</u> .50)	11.881	a di	Liver De Lugeon Vi k lajue	th: 158 po th: 163 co loe: 10 co 0.0000p	 GP=0
- 163	11.0.00					岦									
- 154				e 15	ay.	主			Ì	 	- City	\$, \$.		ļ	
- 165	3/1 ((65.00)	_185.00	. 504.66	format jon	Limestone	렆			D3.101			\$ 2			
- 168				Nactre	7	茔	Abiii			15/1 (155.85)					
				-	. !	렆				13/1 [167.00]		18			
- 157	40				·	苯		lander i de la companya de la companya de la companya de la companya de la companya de la companya de la compa La companya de la companya de la companya de la companya de la companya de la companya de la companya de la co			10		toper Depth toper Depth Luceon Yalu k Yalue : 0	163.00 169.60 6.70	1
- 158	[169_00]					꾿	1		·	8/1 (158.50)	- 基語期 4		k Salve : O	200000	
- 169						廷				10/1 [169,53)					
				'		扭				[159.53]					
- 170	5/1					臣									
- 171	(67i.60)	_171.00	553.68			茫		Fresh rock. Joints: 20-4000g, 6 600eg. Oxidation is very rare.			3.25				
- 172	[155'60] (199'24]					莊		MG SOUTION IN GENCEAL.					upper Depth : 158	g)	
- 173	8/1 [J/3.00]	_173.00	_555,65		. •	弪		173.80-174.60m 0.1-0.2cm opening along Bodeg, joint		}	1,81		tpper Doth : 150 Lavr Dolh : 133 Lugeon Value: 0 k Value : 0.0000	0	1:
						苙	ADIV			 					
- 174						弄	AULT								
- 175		_11.60	_551.65			辛	1.5	the second second		}					
- 176	10/1 [176_00]					室									
• : [.				岦									
- 17/	11/1					莊	ADIII				A CANADA PARA		tipper Depth: 173 Lower Depth: 170 Logeon Value: 0 la Value: 0.0000	88	
- 178	(170,02)					茔			1				a Value : 0.0000	2	-
- 179			V			迁				· ·			lipper Ochin : 178	Da .	1
180		169.00	249.65			豆					344 1181 14	8	Upper Orbin : 178 Leater Orbin : 180 Legeon Yalue: 6 h Yalue: 6.0000	00 10 2	

M. 0.0 is Rock Quality Designation. H. 0.0- (fola) length of cylindric cores longer than 10 col/ifotal grill length) x 1001 MILLORN VALUE is 1/sin/e under injection water pressure of 10kg/cs2 NOEPH and ELEVATION are in factor FOLUETER to in collisator GP: Gauge pressure

SITE	-	Damsite 1-C								HOLE NO. SK-	
LATIT		8720		0 - 11-	n 21	LONGITUDE 7216.38				ELEVATION DEPTH	729.65m 425.00m
DATE		0ct.2			17 31.	1930			HORITON	DCI RI	74.004
ANGLE		{ nose	. 1	60.00	DIREC	TION		180 2 0 0 SLOPE 80.	フ		· · · · · · · · · · · · · · · · · · ·
SCALE (m)	OATE	ОЕРТН	ELEVATION	GEOLOGICAL AGE	ROCK TYPE	COLUMN	ROCK CLASS	DESCRIPTION	H 15 F	CORE REC R.O. OVERY X X (m) (m) 0 50 1000 50	N Value Lugeon Value
	12/1 1101.001							Fresh rock Joints: 20-40deg. 6 Eddag. Oxidation is very care. No solution is seen in general.		1 G2 CB	
- 182											Choper O-plin : 80 00 Lover D-plin : 183 00 Loveron Visitor D-90 Loveron Visitor D-90 Loveron D-90
- 103	[183.00]	182,80	545.85		·	嵳	Abili	Fresh rock. Joints: 30-50deg., rarely 70deg. Oxidation is very rare. No solution in generat.			i vijiu o oood
- 184						逹		ne solution in general. 185, 50-185, 60e & 194, 00-194, 50e; Very spail solution 10.1-0.2cm along 40deg, joint, filled by brown clay.			
- 185' - 186	15/1 (186,00)	106.00	543,65			景		tage form			
155 197						屋	ADIV				
- 188	15/1 [583.00]	188.90	541.8			臣					#601
- 189	17/1 {163.16}					臣	ADITI			i de la la la la la la la la la la la la la	
- 190 -						墨				(1002) 040	
- 191	18/1 [191.36]	_191.⊗ _191.≇	_536,60 _538,30			翌	Abīv				
192 193						臣	Abili				
- 194	19/1 1191_001	131.00	55.6	ion	ļ !	菩				1481	Upper Depth : 189 to
- 195		_195.00	534,66	4 1	Limestone		YPIA	Fresh rock	. 103	0.500) ess	
- 196	~/·			Nadire	3		YPIII	Oxidation is very rare. No solution is seen.			
- 197	20/1 (137.00)	192.00	532,65							H 7 G23 H2	
- 158 - 150		199.80	530.65			宝	ADIV				Upper Digith : 1941 00 Comer Digith : 1991 00 Uugeon fatus 0 70 It Value : 5 6000 0
- 199 - 200			-200			逹					
- 201						宝	VPIII				
- 505	55/1 55/1	St.5 '00	527,65			芸					
- 203					. 1	芸	ADII				
- 204											Upper Druth : 199 00 Inner Ooth : 205 00 Luncon Salue
- 205 - 300		205.00	524.65			室			2/3 12% 251		
- 206 - 206						昱			<u>13%,731</u>		
- 1	24/1 [208.30]					弄	VPIII		6/3 (200.00)		
209						室			27/2 [203.70] 25/2 1203.40)		Upper (tech 1-20% 0). Upper (tech 1-20% 0). Upper (tech 1-20% 0). Upper (tech 1-20% 0).
210		219.00	519.65			空			12/2 [210.00]		Oppose Oppth : 205.00 1

MI.O.D is flock bushing Designation. D.O.D-[fotel length of cylindric cores longer than 10 cm]/[fotel drill length] x 100% MILE is 1/sin/s under injection water pressure of 10kg/cm2

**DEPTH and FLEVATION are in solice.

***DIAMETER to in sillector**

SITE		Dansi	te I-	C						HOLE NO.	SK-313		
LATIT		8720.						LONGITUDE 7216,38		ELEVATION	729.65m		
DATE		0ct.2		9 Ma	3y 31,	1990		IL-Lo*	HORIZON	DEPTH			425.00m
ANGLE		180 UP COMM	.)	0.00 30,	OTREC	TION		180 2 0 00 STODE	£2. 0		<u> </u>		
SCALE (m)	DATE	ОЕРТН	ELEVATION	GEOLOGICAL AGE	ROCK TYPE	COLUMN	ROCK CLASS	DESCRIPTION	BIT & DIAMETER DIAMETER	CORE REC- OVERY X (m)	R.Q.D MATER PRESSURE TEST X N Yalub Lugeon Yalub K Yalue : cm/sec 50 100 0 10 20 30 40 5		je sec
S		絽	_뮵_	6	8	五五	물	Fresh rock: Joints: 30-496eg., rarely 60-70deg.	(a) (a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	9 50 1000	50 100	0 10 20 Cupper Depth :210.00 Lower Depth :211.00 Lower Depth :211.00 Lower Depth :211.00 Lower Value: 13.10 k value: 0.000000	0 40 50
511	511'601 52\1	211.40	518 25			芸		Fresh rock. Joints: 30-40deg., rarely 60-70deg. Duidation is very race. No solution.	מי		\$ (0 00) S	k Valle : 0.00000	
515						丟		Fresh rock. Joints: 40-50deg., rarely 80-70deg. brown stained carely.	} EIF R				
- 213						苤		No solution in general, rarely 0,1-0.2cm openings along joints.	20/2 213_1				
- 214					٠	鋁				248			
215				1		丟							
- 216			-	 -		宰			5/2 1215.80 2/3				
	26/1 [217.05]	1.				垚			1216 °C			Upper Doth : 211 00 tower Doth : 217 00 Lugeon Value: 0:50 k Value: 0:50000	
217						譯							
- - 518					1	丟	ADIII						
- 513	27.6					逹			. [2010531	11Ke 1		
220	27/1 [220,00]					芸				6369	2 2 2 1 2 2 2 1		
221						芸			.		77.77 3. 5.44		
222						臣	l i					Usper Ducin : 217 00	
- 223						逹				- 1361		Upper Decth : 217 00 Lower Decth : 223 00 Lower Decth : 223 00 Loacen Series () 39 L Value () 0.00000	
- 224	-			5		苤				4113127			
- 225				formation	Limestone	鋁			08.161				
	29/1 (775 00)	226.00	513.85	Nadire	Lime	亞		•					
- 556				82		芸			10/3 (25/30 (27/3)				
- 227 -		_227.50	502.15			圣		About SMI at cores are traceents due	27.3				
- 558						岦		About 50% of cores are fragments due to80-90deg, joint, brown stained, partly open (0.1-0.5cm), filled by clay.	12/3 (278.40			Laper Depti 1223.0 fiver Depti 1223.0 fiver Depti 1223.0 figeon Valle: 7.4 k Value : 0.00000	
- 559	30/1 (273.00)	271.30	_502.35		1	辛		Speed rock		25000		k falue : 0.000000	GP≈0
- 230					,	臣		Fresh rock. Joints: 10-30deg., rarely 60-70 & 90deg. Travan stained rarely. Ho solution in general.					
- 231						荖		229.00-229.70m With very small solutions			·	Upper Depth : 259 00 Numer Depth : 250 00 Lupper Visite : 250 R Visite : 6 00000	
535						丟		230.90m 1-2cm opening. 232.00-235.50 £ 235.90-236.20m					
- 533						荽	APIA	232.00-235.50 & 235.90-236.20m: Very sealt solutions are seen irregularly.					
-						丟							
- 234 -	31/1					辛			· [tipper Depth : 259.00 Limer Depth : 216 to Luceon Value 2.50 k Value : 0.00000	
- 235 -	(235,00)				.	昱	·						
- 236 -						苤							
237				1.1		字		· .					
- 238				-: "		妄				2 8 8 1			
- 239				- 1		茊						Uhang Deck 1274	
240		240 60	489 ES									Loper Depth :235 Liver Depth :240 Livery Yalle 1 Livery Yalle: 0.0000	g GP=0

#R.Q.O is fack Quality Designation, R.Q.D-(total length of cylindric cores longer than 10 ca)/[fotal drill length) x 100x silveon value is 1/sin/s under injection water pressure of 10kg/ce2 xoppill and clevalized are in seter soliwaten to in stillicater

GP: Gauge pressure

A1 - 56

SITE		-,	TE 1-C HOLE NO. SK-313					in									
DATE	UDE	8720. Dct.2		g _ 1t:	v it	1990		LONGITUDE 7216.38				ELEVATION DEPTH		<u>-</u>		425.00	
		180			11 1			510. 4 0. 81 UDE		HORIZ		C-1					
INGLE	<u></u>	DOWN	. [0 96. - 80.	DIREC	TION		i SLUPE	90	D	0.03						
_			ğ	∄	ij.	HOCK TYPE COLLINN SECTION ROCK CLASS CLASS DIAMETER GROUND WATER LEVEL		CORE REC-	B.0.B	WATER PRI	SSURE	TEST					
SCALE (m)	lui .	프	ELEVATION	GEOLOGICAL AGE	HOCK TYPE	SECT.)	CLASS		42	DIAMETER	ROUND WATER L	OVERY X	*	Luge	Value in Value : co/s	. :	
Š.	DATE	ОЕРТН	<u> </u>	잃	윤	8 "	96		1	0	SHOUND	(m) 0 50 (000	(m) 50 100	0 10 7	40 30	40	5
-	1/2 [24] (0)					五	AbIII	Fresh rock. Joints: 30-50deg., rarely 60deg. thinly brown stained partly.	1	ı				Under Dept Liver Dept Liver Value :	241.00 e 7.50	J GP	: ?=0
- 541	1241-001	211.00	_ 689_65	[.		臣		No colution in general.		ļ							
- 242						芫		249.50-249.70m; 20cm spening, without core sample.		- 1							
						芸		Socia cheutud, kittioni cole sempte.		Į							
- 243 -				<u> </u>		宝			ĺ			THE RAIL OF					
244	·			.		렆	ADIV					Section 1		.			
245						陸	1.									-	
-						至			i								
- 246				1		豆			1					Upger Depth : 246 Lower Oepth : 247 Logeon Volue: 0 & Yalue 0.0000	888	1	
- 247	[247,00]	247.50	£92,65			字						함께선	(7 (CO))	k falue 0.0000	0		
24B						臣)	.							
- 240						딾	.				•						
- 249						跓	!		1			2,5(5)		A 77 A			
- - 250					1	宝						2000					
	Ï					렆		· · · · · · · · · · · · · · · · · · ·	1			12/80/4	3.7				
- 251	:			."		臣					٠						
- 252						竖		i I	-					Spour Dept	50, 18		
- 253	5/2 [253.00]					异	Abiti						3231	ibper Dept tjeer Dept Ligeon Ya a Yalue :	000000	ģ1	P=(
- 233						鋁		· ·					松瀬			- [
- 254				ition		空											
- <i>2</i> 55				are	Limestone	芒			D	. 101						. [
_	6/2 (256.00)			Nadire formation	רוש	臣						2520	III I				•
- 256	133			₽.	Ċ	莊] ;			ı						ĺ	
- 257						三											
- 258		259.00	01.05		:	跓											
-	1/2		٠. ']		圣	HII6A	Fresh rock. Joints: 30-50deg., with thin clay. No axidation is seen.		1		TIME!	jii.	idoper Groth : 253 Lower Debth : 259 Eugeon Value : 0 k Value : 0.0000	20)	
- 259	E53.00)	259.69	470.65			芸						TABLE		E 48108 9,0000		_	
- 260			. !			臣						100				1	
		:				学							r ati				
- 261		:				臣			1			LINE	i i i i i i			- 1	
- 565	(565°00) 8\s	262.60	467.65			压		Fresh rock	+								
- - 263						异		Fresh rock Joints: 70-80deg No exidation.	1							.	
- 203			3.1			[五]	Aali										
- 264						莊				-			1.02	Upper Depth : 259 Lover Depth : 265 Lugeon Valve: 0 k Yalue 9,0000			٠,
- - 265	(265 00) (265 00)	_265_M	461.65			蒾		Fresh rock.	4					Lugeon Value: 0 & Value 9.0000	P		
-						퍉	ŀ	Joints: 16-20deg., rarely 80-90deg., with this green clay partly.	1								
- 265	. :					ع		No oxidation is seen.	.							.	
- 26/						丑		266.70-267.70± 0.3cm thick green clay in 896eg. joint.		Ì							
-	10/2 (269.00)	256.01	/6)_£5			扭											
- 260 -	P. 00-001		-11-127			异						377-37-12					
- 269					: .	宝	liisA		1				14 T	Upper Depth : 800	2		
270		276.00	459,65			臣			I					Upper Depth : 250 Lower Depth : 270 Logeon Valuer (k Value 0.000	50 50 50		

SITE		Dansi	te I-0	C						HOLE NO.	SK-313	
LATIT		0720.						LONGITUDE 7216.38		ELEVATION		729.65m
DATE		Oct.2		9 - Ha	y 31.	1990		N-Lo*	HORETON	DEPTH	ļ	425.00m
ANGLE		00MH	. P	0.00	DIREC	CTION		210, 2 0 0 SF 0bE	: [7]	0.		
SCALE (m)	DATE	ОЕРТН	ELEVATION	GEOLOGICAL AGE	ROCK TYPE	COLUMN	ROCK	DESCRIPTION	BIT S DIAMETER GROUND		R.Q.D X (m) 50 t00	MATER PRESSURE TEST N Value Lugeon Value K Value: cø/sec 0 10 20 30 40 50
271				-		五		Fresh rock: Jaints: 40-50dag., rarely 10-20deg. With this green clay partly. No oxidation is seen.				Upper Debth : 270 po Lower Debth : 271 po Lugeon Tables : 0 po Lugeon Tables : 0 po Lugeon Tables : 0 po
- 515			·			至	IIIEA	279.30-279.90m Vertical joint, with thin green clay.	-			
273 274	12/2 [274.00]	274.60	455,65						-			
- - 275						苦芸	Aall					
276 - 277	13/2 [277.60]	272.00	452.85			左至				200		Diger Debth : 271 b0 town Debth : 277 D0 town Debth : 277 D0 toughow Miles 0 D0 k Yalue 0.000000
- 278 - - 279												
- 280							lifek					
- 281 - 282						医岩						
- 283	14/2 (203.00)	293.00	445,65					Fresh rock. Joints: 10-30deg., rarely 70-80deg., with thin green clay partly. No cyldation.		293 (B))		
- 284 - 285				Nadire formation	Limestone			No axidation.	D9. 101		2	
- 265 - 272	15/2 [285 00]			Nadiro	15.1					000		
- 287 - - 288							lleA		2			Upper Cepits : 283 50 Lover Cepits : 289 50 Lugon 195us. 6.50 k store 6.00000
- 289 - 289	13/2 (269.00)	:										k value 0.00000
- 291	20/2										inica)	
- 292 - - 293	1277.00)	203.00	_AW.E5		-					55 (O))	4 (2 d)	
- 294	22/2			İ		差定	AaIII					lbper behin (25) to lover 06(1a (25) 59 lugern 15 lbe (0 to 1 97) be (0 000000)
- 295 - - 296	<u> 295.00}</u>	295,40	433.25			臣				14		
29 <i>1</i> 298		278.00	AR 65				AJ-BITE	Fresh rock. Joint: 20deg., with 0.5cm thick reddish bran clay. Oxidation is partly seen weakly.				
- 299 - 299		204.00	429.65				Aa-b[Y	tali Sugar tahun sebagai				tisper Debth : 295 to town Ochth : 306 to Lugton 1910

YN.O.D IS Nock Quality Designation. N.O.O-Notal length of cylindric cores longer than 10 cm/(Notal drill length) x 100X MIDEON YALUE In 1/dn/O under injection water pressure of 10kg/co2 MDEPTH and ELEVATION are in mater.

DISABLER is in millicator

ŀ	SITE		_	amsite I-C							HOLE NO. SK-313		
1	ATIT		8720.						LONGITUDE 7216.38		ELEVATION		729.65m
ľ	DATE				9 - Ma	y 31.	1990		N 1 1	HOREZON	DEPTH	<u> </u>	425.00m
1	NGLE		DOWN	- [7	0.50*	DIREC	TION		90 SLOPE	90· D 1.00		<u> </u>	
	SCALE (m)	DATE	ОЕРТН	ELEVATION	GEOLOGICAL AGE	ROCK TYPE	COLUMN	ROCK CLASS	DESCRIPTION	BIT 6 DIAMETER GROUND MATER LEVEL	CORE REC- OVERY X (m) 0 50 1000	R.Q.O X {m} 50 100	MATER PRESSURE TEST N Value Lugeon Value K Value: CM/Sec D 10 20 30 40
The state of		551°64) 59\5		428.65			臣	Aa-blY	Fresh rock Joints: 10-30deg., partly stained E with thin green-brown cl	arawn ay		CALCO I	Upper Debth : 300 by Lover Bebth : 301 10 Lugeon Value: 0 b0 1 Yalue 0.000000
ŀ							异		\$				
	- 302						呂						
ŀ	- 303						宝	1" 24			SDOM 45		
	- 304					٠.	宝					捷	
ŀ	20.5						亞			DO 101			
	- 305						宝	\·					
	- 306					٠.	宝			an the second			Upper (Coth : 301 to Lower (Coth : 307 to Logeon Value 0 to k Yalus 0.000000
-	- 307	26/7 (307.60)	307.25	422.40			宝		Solution cavity. Partly filled by clay, calcite & g	pave).	建		k Value 0.00005
E	- 308		.301.65	422.00			茔		Fresh rock. Joints: 30-40deg., partly filled b green-reddish brown clay.	y Chin			
	:	:					렆		green-reddish brown clay.				
	- 309	27/2					垚					1151	
-	- 310	(310 (0)					苙				The contract		
	- 311						辛						
	- 312		:				臣						
		28/2					弄						toper Depth : 307.00 toper Depth : 313.00 toper0 Yalus : 5.60 x Value : 0.000000 GP=
Ė	- 313	(313.60)					臣				X.4.2		
L	- 314				tion		臣	٠		-			
	- 315				forma	Limestone	茔						
1		1/3 (116.00)	٠. ا		Nadire formation	רושנ	去	A - E[11			168		
	316	120,007			Z.							12.5	
1	- 317						弄		4				
1	- 318						弄						those Both 313 to
1	. 310	2/3 (319.00)					臣				3864		theer Doth 313 to town Doth 319 to town Pales 6 to k Yalus 6 000000
							窑						
1	- 320						宰			08.86	. Content		
E.	- 321						垚						
1	- 322				4.4		主					3283	
L		.				•	岦						
	- 323						挰						
	- 324		224.20	(65.35			王						Upper Debth : 319 00 Lover Debth : 325 00
-	- 325	5/3 (35.00)					臣		fresh rock. With some old solution cavities wh are filled completely by clay and	rich			ibser (bbth : 319 00 Lawer (bbth : 325 00 Luycon Value: 0 00 k Value 0 000000
ŀ			.	-		1. 1			carcice. Have and strong.	1 .			
ŀ	- 326						异		Joints: 30-46dcg., partly filled b green-reddish brown clay				
T.	- 327						辛						
	328	6/3 [323,00]					垚						
-							垚				3.5		
1	- 329 - 330	9/3 [37.70]				-	茊						upper Depth : 325 00 tower Septh : 330 00 Luggen Yalse: 0 00 k Yalue 0.00000

#1.0.0 is nick whalf beignation. #1.0-fixtal length of cylindric cores longer than 10 cal/[latel drill length] x 100% trucked water in later pressure of lokg/cm2 replie and Elevation are in later pressure of lokg/cm2 replie and Elevation are in later. But the line and literation are in later. But the line and literation are in later. But the line and literation are in later. But the line and literation are in later. But the line and literature in later. But the line and literature are linear later. But the line and literature are linear later. But the literature are linear later. But the literature are lateral late

SITE			te I-	C				- District Trans				HOLE NO.	SK-313		729.65m
LATIT DATE	UOE	8720. Oct.2	خسستين	9 ~ Na	17 21	1000		LONGITUDE 7216.38		·		ELEVATION DEPTH			729.65m 425.00m
DATE		100						77. 77° m. 1	<u></u>	H3917	OH .	021 111			
ANGLE		0000	, ()	9 60 . 20 .	DIAEC	CTION		\$0 SLOPE	90"	P	6 60°.				· .
SCALE (m)	DATE	ОЕРТН		GEOLOGICAL AGE	ROCK TYPE	SECTION	ROCK CLASS	DESCRIPTION		ETER	GROUND SYEL	CORE REC- OVERY X (m) o 50 1000	FI.Q.D X (m) 50 100	WATER PRESSL # Yalu Lugeon Va X Yalue: 0	IRE TEST le stue sa/sec 30 40 5
	10/3					臣		fresh rock. Joints: 20-40deg., partly filled by ngreen clay. Old cavities filled completely by to clay and calcite are seen partly.	thi-					0 10 20 Upper Debth : 330 00 Upper Debth : 331 10 Upper Debth : 331 10 Upper Value: 0 00 k Yalue: 0.00000	
- 331 -	(13)1 'CS)					到		Old cavities filled completely by t clay and colcite are seen partly.	hard			4			
- 332 - 332	135°67 15\J					五		343.60-344.55m Cores are mostly fragments due t 80degvertical joint and soluti	e ion						
- 334						室		cavities.							
- 335	13/3 13/5.691	7				芸					:		m		
- 335				4, 1						-				Upper Debth : 331 to tower Debth : 337 to tugeon Value: 0 to k Value 0.000000	
→ 337	14/3 [337-86]					屋	48 93 (1							\$ Value 0.00000	
	15/3 1338.70)					劉									
- 339 - 340	15/3 [340.60]					室						90 88 29 45 5 5			
- 341	17/3 [341.60]					超									
- 342						弄						2201	7.14 23 8	Upper Desin : 337.00 Lister Desin : 343.00 Listern Palut : 6.00 k Yalue : 6.00000	
.	(343 00)				.:	弄					÷		· Front	k Value 0.00000	1
- 344 - 345		26.50	_26 6.45	formation	Limestone	藍				DB .86					
. 1	20/3 [346.00)	_25.04		Nadire	awi	差		Fresh rock. 20-40deg. joints, partly filled thin green and reddish brown cli				15 8			
- 347				·		蒫	Ild-61	353.20-353.75æ: Yerlical joint, partly with th		. :					
348	21/3					芸		green clay. 353.75-353.85a						Upper Debth : 349 00 Lower Debth : 349 00 Logeon Value : 0.10 h Value : 0.00000	
- "	[350.00] [350.00]	349.00 369.50	390,55 309,15				A9 1111	70deg. joint, filled by 1.0cm calcite.				20 (5)	202	K 48106 0,90000	
- 350 - 351		٠.				芸	11d-61								
	24/3 (361-99)	351,82	317.85		٠.	差						La les			
353							45-5111			.					
354	76/1	 21.85	_375.00					Fresh rock. Joints: 20-40deg., filled by th	in	. }	, 1			Upper October 349 00 Lever Depth: 365 00 Legeon Value: 0 39 k falue: 0.00000	
	26/3 (3 <u>66-09)</u>					呈		green and reddish brown clay. Tight condition.		.		75100II		k Palire 0.00000	
356						弄	IIIca	355.30s: 3.0cm cave.							
357 358		359.00	_3/1.E5			芸				-		1 2000			
359						達	llsA							Upper Depth : 355 D0	
360		364.00	360.65			臣								Upper Depth : 355 00 laster Ochth : 360 00 lugeon Value	

#1.00 | #0.00 | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00| | #0.00

NOEPTH and ELEVATION are in mater NOTAMETER is in millisator

IR.O.D is Nock Quality Designation. R.O.D-[fotal length of cylindric cores longer than 10 col/flotal drill length) x 100% QUECON VALUE is lightly under injection water pressure of 10%g/co2 MEMPIN and REVATION are in meter ADDMETER is in milliceter

SITE		Oans i	† p I –	<u> </u>											HOLE NO.	SK-313					
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Ξ		_	ELEVATION	GEOLOGICAL AGE	ROCK TYPE	SECTION	X CLASS		DESC	RIPTIO	N		IT & DIAMETER	EVE.	CORE REC-	n.Q.D	MAI	ER PRE	Value Value	IESI	•
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420	21/5 [420.00] (420.00	309.65			压							l				L talue	78 TUE: 0	ķ	L	

NO.0 1 15 Rock Quality Designation. No.0-(fota) length of cylindric corea longer than (0 ce)/(fota) drill length) x 100x stuccol value is I/ain/a under injection water pressure of 10%/ca2

MEPHI and ELEVATION are in reter
solumeter is in milliceter

TE			te I-(<u> </u>							HOLE NO.	SK-313		700.75
TITUDE		8720.			. 74	*000		LONGITUDE 7216	3.38		ELEVATION DEPTH	 		729.65m 425.00m
TE .		DCF.S				1990		m. 1/2 m.	· · · · · · · · · · · · · · · · · · ·	H0A170H	BERTH	<u> </u>		423.000
GLE		00MU (B)	・レ	0.00*	03810	TION		180 2 6 00.	SLOPE	\mathcal{P}_{\bullet}				<u> </u>
SCALE (III)	UAIE	ОЕРТН	ELEVATION	GEOLOGICAL AGE	ROCK TYPE	COLUMN	ROCK CLASS	DESCR	иоття	BIT & DIAMETER GROUND MATER LEVEL	CORE REC- OVERY % (m) 0 50 1000	R. Q. D X (m) 50 100	WATER PRESSUE N Value Lugeon Va K Value : co O 10 20	RE TEST tue 1/50c 30 40 5
421	2/5 2 (5)]			Nadire formation			Aall			D8.76			Upper Depth : 470 00 Loser Depth : 470 00 Loser Office: 6 00 Logeon Ville: 6 00 4 Value 0 00000	
24 425	1/5 5.00}	45.00	301.65			芸			· · · · · · · · · · · · · · · · · · ·		4.00			
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16 17														
49 49														

MIL.O. Is pack Quality Designation. R.O.O (Total length of cylindric cores longer than 10 col/(Total drill length) x 100X MISSERN MALE is limited under injection water pressure of ling/ce2 MOEPH and ELEVATION are in coter MOIAMETER 10 in chillicator.

SITE			te I-	C						HOLE NO.	SK-314		
LATIT	UDE	7124.12 LONGITUDE 7414.95 Oct. 16, 1989 - May 31, 1990							ELEVATION		<u> </u>	726.73m	
DATE	· · ·	Oct.	16, 1	989 -	May :	31, 19	30	N - 10 - 1	abutton	DEPTH	ļ		450.35m
ANGLE		(8) US	・フ	0.00*		CTION		270. N SLOPE	∞. D		<u> </u>		
SCALE (m)	DATE	ПЕРТН	E EVATION	GEOLDGICAL AGE	HOCK TYPE	COLUMN	OCK CLASS	DESCRIPTION	BIT & DIAMETER GROUND WATER LEVEL	CORE REC- OVERY X (m)	R.O.D X {m} 50 100	WATER PRESSUE N Yalue Lugeon Va K Value : Co	Lue Lue 1/sec 30 40 50
<u>s</u>	<u>α</u>		W	(D	E.	1//	CE.	Non-core drilling.				0 10 20	
5	15/16	1											
- 3 - 4	15/10 (3.00)												
- 5	47/ta												
- 6 - 1	17/10 (6.00)								NC. 116				
- - 8	18/10 (9.00)												
- 9 - - 10	18.007			·.	,								
- 11 -													
- 12 - 13													
- 14 - 15	20/10 (14.60)			Gormel formation	War 1								
- - 16				Corne)	**			·	12/s (16 95)				
- 17 - 18									(10.54)				
- - 19													
- 21 - 20								·					
- 55 -	21/10 (23.00)								Pact 8 3 30				
- 23 - 24	14(3,00)								IV1 124.25)				
- 25									1631				
- 25 - 27									15/1 (55.49)				
- 28													
30		30.60	695.23	onat Ico.		//		of cylindric cores longer than 10 cgl			(8)		

MN.O.D is Bock Quality Cosignation. N.O.D-Nicial length of cylindric cores longer than 10 cm//liotal drill length) x 100% musecon YALLE is 1/601/a under injection water pressure of 10kg/cm2 mountains at LeVANION are in mother pressure of 10kg/cm2 mountains at in millicator.

726,73m 450.35m 450.35m SURE TEST Thus Yalus Colysec 30 40
SURE TEST THE YATUR CRYSEC 30 40
30 40
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KR.Q.D is Pock Quality Designation, R.Q.D-(Total length of cylindric cores tanger than 10 ca)/(Total drill length) x 100x attacking water is lyainful under injection water pressure of 10kg/ca2 MCEVATION are in mater and injection water pressure of 10kg/ca2 MCEVATION are in mater and injection water pressure of 10kg/ca2 MCEVATION are in material and 10kg/ca2 MCEVATION

ITE		Damsi	le 1-	Ĉ .						HOLF NO.	SK-314	
ATITU	DΕ	7124.	15					LONGITUDE 7414.95		ELEVATION	ļ	726.73m
ATE		Oct.	i6. 1	989 -	May .	11, 19	90	N → 0°	\$00(10H	DEPTH		450.35m
NGLE		150 UP 80%N 0	<u>.</u>)	0 60 . 80 ,		TION	أخندم	270. 90 SLOPE	_∞ . フ . ፟、	•		<u> </u>
SCALE (m)	DATE	ОЕРТН	ELEVATION	GEOLOGICAL AGE	ROCK TYPE	COLUMN	OCK CLASS	OESCRIPTION	BIT G DIAMETER GROUND WATER LEVEL	CORE REC- OVERY X (n) 0 50 1000	A.Q.D * (m) 50 100	MATER PRESSURE TEST N Value Lugeon Value K Value: ce/sec 0 10 20 30 40 5
61							<u></u>	Non-core drilling.				
63	(62.60)		•									
64 65	27/10 (65.60)											
66 67	RO WI											
68 69	ng tak		-									
70	26/16 [59 50]		4.									
72	30/10 [23.60]		, i									
74 75				Gormel tormation	Har]				Byre 9.15			
1	31/50 [76,39]			Gornel	2							
78		-	-									
.	80 691 1/11											
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83 84 85 ¹	2/11 85.09											
85 87 88				:								
	3/11 [69.00]									6.0		

MI.O.D is Book Quality Origination. R.O.D (lotal length of cylindric cares longer than 10 cel/(lotal drill length) x 100% MLUSEON VALUE is 1/min/a under injection water pressure at 10kg/cm2 MDEPIN and ELEVATION are in meter

SITE		Dans i		C										HOLE	NO.		SK-3	14						
LATITU		7124.		000	11-			LONGITUDE 7414.95							ATTON	_		 .			· 		726 . 450 .	
OATE ANGLE		Oct.	16 1		DIREC	31, 19 CTION	90	279 90 SLOPE MARIZON 0' 90 00'					n					· 		: .	450,	Ince		
SCALE (m)	DATE	ОЕРТН	ELEVATION	GEOLOSICAL AGE	POCK TYPE	SECTION	POCK		DESCRIPTION	1		BIT & DIAMETER	KATER LEVEL	CORE	REC- RY X	Γ	R.Q.1 X (m) 50	D		WATE	R PRE N 1 Lugeo (Value	SSURE Value n Value	TEST	
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- 93 - 94																							'	
- 95 - 96	7/11 (66.25)		-				1																	
- 97 - 98	87.4	.:																						
- 99 - 100	6/11 ga.50)			:																				. -
- 101					. *					٠														
- 102 - - 103 -	9/11 [10],50]																						·	
- 104 - 105				Garmel (prestion	Mar 3						٠	Sect \$ 1st												.
- 196 - 197	10/33 [102,50]			Sar	-															-				
- 100	11/11		:																					
- 110 - - 111	11/11 (109 E9)		i																					
- 113 [13/11 113.151		. *								•												·	:
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- 117 - 118 - 1	19/11 110.00]																							
- 119 120		120.93	-50£.73			1/								130 0		103	, 6,					<u> </u>		

TO USE 100 M

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SCALE (m)	.,	<u> </u>	ELEVATION	GEOLDSICAL AGE	ROCK TYPE	COLUMN	A AS		ULL	1 AU			A E	3 5	OV	EAY X	K	;	Υ,			ER PRE N Luger K Yasut O	Value In Valu	e .	
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- 140						1//										$\parallel \parallel \parallel$									
- 141						1//					. •					1111									
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_ , ,	22/11]																	
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150						1//	: :	l			1.				Ш	Ш	Ш	Ш		Ш	1	1	1.	1	

E 150 | 150.00 575.73 | 150.00 575.73 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 |

SITE		Dans i		Č								HOLE NO.	SK-314		200 20
LATIT DATE		7124. Oct.		989 -	May	31 19		LONGITUDE 7414.95				ELEVATION DEPTH			726.73m 450.35m
		180					30	sug. H G. W. SLOPE	$\neg \top$	Honrad	N				
NGLE		185 VI 6046	<u>. </u>	0.00	100	CTION		\$180 \$ 6.00 SLOPE	90*		0.03		<u> </u>	<u> </u>	
SCALE (m)	DATE	оерти	ELEVATION	GEOLOGICAL AGE	ROCK TYPE	COLUMN	OCK CLASS	DESCRIPTION		DIAMETER	SHOUND WATER LEVEL	OVERY X (m)	R.Q.O X	MATER PRESSUF N Value Lugeon Val K Value : co	E TEST
ਲ	8	<u> </u>	<u> </u>	ট	P.C.	1//	Œ	Non-core drilling.		a				1 10 20	30 40
- 151 152	23/11 (151.65)				• .					•					
- 153					:										
- 154															
- 155 - 158	24/11 (155,70)							Section 1							
- 157															
159 - 159															
150	25/11 1:60,80)														
161 182									.}						
- 163 - 164				u ₀											
165				Cormel formation	Har!					PC (12					
- 156 - 167	27/11 1155 始			Corr											
- 168	(163.50) 58/1)										* .				
- 169 - 170											· ·				
- 171 - 172	0.55°001 50) H														
- 173									·						
- 174 - 175	30/(1 [175.30]										-				
- 176	<u>112-31</u>														
- 177 - 178	1/12 [177.50]													1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
- 179	2/12 197 <u>9</u> 70)	180.00	546.73								Ų.	hanau			

ITE		Dans i	te I-	C									HOLE NO:	SK-314			
ATITO		7124.		nnD			(10	LONGITUDE	7414.95				ELEVATION	 			6.73m i0.35m
ATE		Oct .				11, 19	90	, y,	6	····	1309113		DEPTH			<u> </u>	A . 2000
NGLE	<u>.</u>	(E) (E) (E)	. [0.00	DIREC			270	S 0.00 SLOPE		. P	0.00					
SCALE (m)	DATE	ОЕРТН	EL EVATION	GEOLOGICAL AGE	ROCK TYPE	COLUMN	OCK CLASS		DESCRIPTION		BIT 6. DIAMETER	OROUND GROUND	CORE REC- OVERY X	R.O.D % (m) 50 100	MATER PR N Luge X Yalu	ESSURE (6 Value on Value e : ce/sec 20 30	ST 40 50
5		_	Lis	æ.	E: 	1//	<u>«</u>	Non-core	drilling.		<u> </u>				Ĭ Î		
- 181	4/12 [182.20]																
- 193										. •							
184																	
186			. 1								i	1.					
187	6/12 (180.20)				 -							ī					
189	J		. :		À					:							
190	2/12 190.2011			rnation	1						Nace of Code	-					
- [1135 20) B\15			Gormel formation	MAFI												
193																	
195	(131 50) (131 50)											1(20.52) 54/1	894 SM (19	4 99)			
196	((2) 22) 11/15													95)			
190					:												
500	(199 <u>-69)</u>									•							
202	13/12 1201.29										j						
203	(505 E0]	202.60	521.12	- 				207 50-20 203 69-20	3.80m Dark gray. 5.60m: Silty, brown, with some linestone 5.60m: Brown.	partly fraggents			eg 61	2.65)			
204	15/12 [203 89]			Me lange	Clay		Ea	205,00,20	5.60x Brown.	ug-entor	DS. 101			3(05)			
205	(203, 153)	. 205.E0	751.13	Ermensk Ophiolitic Welange	ds.			Sandstone Gray, sofi	t and frighte. um grained			5/2 [26:25]					
207	19/12 (203, 75) 20/12			f Ermonak (Sandstone		C-0a	11/6-850)(~ & attro-				\$6.00 E	5 / 6			
	20/12 1200 151 21/42 1203 151	-503.15	519,50	Matrix of	Clay		£a	Brovn, gai	rtly reddish brown.								

#N.O.D is fack @polity Designation, N.O.D-(Total length at cylindric cores longer than 10 ce)/(Total drill length) x 100% #LLGEON VALUE is 1/sin/a under injection water pressure of 10kg/ce2

#PEPIII and ELEVATION are in enter

#DIAME(FR is in elliseter

SITE	Unc	-	te I-	C	··			LONGITUDE 7414.95		<u> </u>	HOLE NO. ELEVATION	SK-314		726.7	3n
LATIY DATE	UUE.	7124. Oct		989 -	Hay 3	11, 19	90	CONDITION PARAGO			DEPTH	 -		450 - 3	
		160 UP	, Р	. 99,		TION		510, 20 30 SFODE	HOAJ	204		1			
ANGLE		DOM		0,00	OHÆ (,1104	· · · · ·		» [7	0.00		<u> </u>	<u> </u>		<u> </u>
Ē			ELEVATION	GEOLOGICAL AGE	T.	SECTION	ASS	DESCRIPTION	IT & DIAMETER	E E	CORE REC-	R.0.D	WATER PRES	lue	
SCALE	DATE	DEPTH	SLEV!	EQ.	SG SG	COLUMN	ROCK CLA		BIT	GHOUND KATER	(n) 0 50 1000	(m) 50 100	Lugeon K Value o 10 20	Yatue : cm/sec : 30 40	5
				=				Brown-reddish brown.							
- 211	(511°02) 55\15										£1011	1 (04)			
515		211.70	515.03	1	Clav.		D-Ea	Brown, partly contain limestone fragments (Som in max.).	1						
-	(515 QD) 53\15			Helange				(103-1112)		[212 <u>.70]</u>	2480	2 84)			
– 513				130				<u> </u>			2527226				:
214	25/12 [214.35]	211.0	\$12.20 512.20	Ophiolitic	Clay		Ea	Clay, brown.	١.	6/3 1211.201		1 30			
- 215		.211.05	511.03		g imstera		64	Elestione, light gray, hard. Brown.	1	28/2 [215.20]					
	26/12 (215.75)	215.65	_511.00	լա	Clay	臺	Ea	Limestone, light gray, hard	1	(572°80) 55/5		4444			
- 216		216.50	_510.23	3x of	Limestone	丰	Aa	Linestone, Iragaents with clay	68.101	(215.20) 10/2 (216.70)					
- 217				Hatrax	Line	字	D-Ea	[[217.20]					
218	27/12 [218, <u>15]</u>	218.15 218.15	508.58		Cla	完	D-Ea	Stity clay, treen. Linestone. Copes are mainly fragments, with clay.	-	(578 to) 8\5				. } {	
=	26/12 [219,15]	210.45	5/3.29			臣	D-Ea	Colfe are mainly magazines, when endy-			7	1 2			•
519	<u>(219, 151</u>	219.15	507.56			臣	<u> </u>	Slightly weathered rock. Light gray-beige, hard. Joints: 20-30deg., rarely 10deg., brown stained.	1	7/2 1219.85)					
- 550	29/12					芸	AalV	Joints: 20-30deg., rarely 70deg., brown stained.		K12.421					
551	(220 .80)	220, BO	.505.93			丑		219,15-220,15% 20-40deg. joints, with thin green	1	25/1 [221.15]	59(53)				
			.			宝	III6A	clay 220,15-220,80m: Cores are mostly fragments. 220,80-221,90m:							
- 222		222.50	504.13			Է									
553	30/15	223.10	501.61			臣	II6A	clay. Clay. 221.90-222.40mc 70deg. joint, with thin green clay.	-	-		023 (b) 500 () ()	╿ ┼─┼─┼		·
224	1223.56)	223.80	507.91			臣	YEA	222,40-223,80s; Cores are bostly frag≋ents. 223,80-226,50s;				Deli]		
	5/1 (221.80)	224.50	501.93			豆	ha	60-70deg. joints, with thin clay, brown stained.			g telsi				
- 225						茔		229, 40-229, 60m; 70deg., joint, prems stained. 230,00-230,40m;	1					1 1	
- 556						呈	YPIII	230,00-230,40a: Cores are almost fragments. 230,90-231,10a:							
- 557	E/1 [227-30]	226.60	- 120-13 120-13				IIIsk	Vertical joint, brown stained.				i i i	15mm 5mm 227 50	.	
	1227.301						AaTI		-				toper Debt : 223 to Lower Depth : 220 to Lugens Valve: 0 20 t Valve: 0.00000		
558	١.,	278 00	<u>#39</u> ,73	5	é	눋논						製			
- 229				forestion	Limestone	芸			1						
- 230			1.		ند	듶	IIIGA								
	9/j			Madire		끚						Hasai		1	
- 231	153[00)	-231-99	65.0		7.	异		Moderately-slightly weathered rock, conginceratic.	DB.88	1	244				
- 535)		ح	a) clii	Bray-dark gray, hard. Joints: 20-30deg., rarely 50-60deg., brown stained.					Upper Droth : 229 20	,]]	
233	19/1 (233 (4)	233.00	. (9) . <i>[</i> 3			空		232.25-232.70m Small solution cavities				7 2 3 8	Upper Droth : 228 to Lover Droth : 233 to Luggos Value: 0 to & Value: 0 000000		
						臣		(fcm in max.), brown stained.						1. 1	
- 234			1.0			丟	to-cli								
- 235		25.0	49L <i>T</i> 3			赶		Moderately-slightly weathered rock. Hard, light gray-beige	1	1				. .]	
236	11/1 [275.75]	_235. <i>T</i> 0	_430.C)			茔		239 20-239 t0s:					1		
.30	. 1				}	宝		40deg, joint, brown stained, with thin clay 238.75-239.00%							
- 237						宝		78deg. joint, brown stained, with take clay.				300	Upper Depth : 233 to toner Depth : 238 to tugeon Value: 0 X k Value: 0.00000		
230	[2/1 [230,60]		- "			宝	15-c111					护	k Value 0.00000	<u> </u>	
320						毕	7.								
<u> </u>		239,40	_491.33			宝	15 -17			"			Gloser Geoth 1232 Gloser Deoth 1240 Glosen Palus	90 90 40	
239 240	-	239,40	_491.33 _466.73			弄	Ab-cli		detil 1			20.63	Uboer Usyth : 236 Lover Usyth : 240 Loyeon Walve & Yalud : 0.0000	84 80 90 90	

LATITUDE	7124.12)4: 40°		ONGITUOE 7414.95			HOLE NO. ELEVATION DEPTH	SK-314	726 . 73t
DATE ANGLE	Oct 15	$\frac{1}{0}$	90	DIREC	31, 199 CTION	IU	595. STODE	. D	20N - Q*	DEPIN	:	430.33%
SCALE (m) DATE	ОЕРТН	EEVATION	GEOLOGICAL	ROCK TYPE	SECTION	ROCK	DESCRIPTION	EE .	GHOUND MATER LEVEL	CORE REC- OVERY *	R.Q.D X (m) 50 100	MATER PRESSURE TEST N Value Lugeon Value K Value: c#/sec 0 10 20 30 40
241 R41 803	Γ			<u></u>		Ab-e11	Moderately-slightly weathered rock light, light gray-beige Moderately-slightly weathered rock,					theor (both : 24 60 tions thigh : 24 60 tions thigh : 24 60 tions think the tion of the tions the tion of the tions
- 243 1243.934 - 244	213.14	91.13					congloseratic. Gray dark gray, hard. 242.95-243.55x Solution (1-3cm widel along 70-86deg. joints, filled by thin calcite. 245.30-245.50m: 70deg. joint, brown stained, with thin	i		200		Lugeo Value : 45 3 Yalus : 0.00000
245 - 246 18/1 (245.35)						V9-E)[I	Jüden joint, brown stained, with thin clay carbon clay 24.00x Salution (1-3cm wide), 248.40-248.50x joint, with thin clay, 248.60-249.00x, 700cg, joint, with thin clay, 700cg, joint, with thin clay.			200	2: 60	
247 19/1 248 (215.00)	243.00	מ.נו								100	2001	Upper Nepth : 24, 00 Liber Nepth : 24, 00 Liber Nepth : 24, 00 Liber Nepth : 30 Liber : 0.60060
- 249 - 250 - 251 - 251	20.35	11.3e				Ab-clv	Moderately slightly weathered rock: Hard, light gray-beige, Joints: 60-78deg, brown stained, with thin clay & colcite.					
252 23/1 253 (23)	21 18 1 23 10 1					AZ-CIII	Moderately-slightly weathered rock, congloweratic. Hard, gray-dark gray, Joints, brown stained.					Ubser Septh : 24, 00 Louis Septh : 25, 00 Logical Yellut : 85 11 Yalut : 0.000100
254 24/1 255 255			formati	Limestone			Hard, light gray-beige. Cores are aleast frequents. Fractured & goall solution along 90deg. joint, brown stained.	D8.86			5 5 5 5 5	
255 257 25/1 25/1 251.75	25.20_1	11.13 10.51	nadire	ני			Miscralely-slightly weathered rock, traplobraic branch hard, traplobraic pray, hard, Joints 20-30dgg, czerty 50-70deg, brown stained. 256, 20-237.00e: Spall's oblution (Icm in max.) along	:				Upper Digith : 253 (00 tower Digith : 259 (00 tower Digith : 259 (00 tower) allow 0 (55) a 73 (w) 0,000 (00 tower)
258 (250.60) 259 29/1 259.50		හ.63					points;			29 E41	28 (0)	* Vrive 0,00000
261		55. 6 3				No ely	260.90-271.25m Noderately-slightly weathered rock, conglomeratic				20 (90) 2 (5 C)	
262 263 263 (833 69)	[I	23.23					Hard, gray-dark gray, Joints 60-80deg, parely 30-50deg, from stained, with thin clay 6 catcite. Corea are soutly Iragaents in the following sections: 203.70-284, 108 264.59-264.590 and 504.59-264.590 and 504.59-264.590				5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	there depth : 7:0 00 fiver tight : 6:3 00 fiver field : 6:3 00 fiver field : 7:50 fillur : 0 000000
- 265 265_49 - 266							270.00-209.45m 270.00-270.45m Solution is seen in the following sections: 280.90-281.30m: Ica in max. width.	÷.				
- 268 (201.00)							264.10-264.50a 264.90-265.20a, along 70-80deg.joint. 266.00-266.65a 266.90-287.90a 269.10-286.35a, along 70deg.joint. 269.45-270.00a, 1-2cm in max. width. 270.45-270.90a, 1-2cm in max. width.			0.00	(168) (6	toper Broth : 263 00 per Broth : 263 00 per Broth : 263 00 per Broth : 19 0 per Broth : 19
269 (202.45) 270 #H.O.O is fi	270.00 40	25.73	mat Inn	A 0 1	蓝	Jenuth a	f cylindric cores longer than 10 cml/(Tota) o	cill le	path) r	1001	510(40)	Union Copin : 250 oc Union Copin : 250 oc Union Value 7 oc Union Value 7 oc Union Value 7 oc

ul. 8.0 to Apok Availty Designation. A.O.D-Noted length of cylindric cares longer than 10 cal/Noted drill length) a 100% ALUCEON VALUE is 1/ain/a under injection water pressure of 10kg/cm2
ADEPIN and ELEVANICH are in mater

GP: Gauge pressure

SITE		Dansité 1-C									HOLE NO.	SK-314		700 50
LATIT	UDE	7124.						LONGITUDE 7414.95			ELEVATION			726.73m
DATE			16, 1	989 -	May 3	11, 19	90	N L 0*			DEPTH		<u> </u>	450.35m
ANGLE		0 0 75 75 75 75 75 75 75 75 75	. フ	0.00	DIREC	TION		310. 20 8 SLOPE 80	HOREN	0.00				
SCALE (m)	DATE	ОЕРТН	EL EVAT ION	GEOLOGICAL AGE	ROCK TYPE	SECTION	ROCK CLASS	DESCRIPTION	BIT & DIAMETER	GROUND - WATER LEVEL	CORE REC- DVERY X (m)	A.Q.D % (m) 50 100	WATER PRESSUR N Value Lugenn Val K Value: ce 0 10 20	E TEST ue Vsec 30 40 5
- 301	S1/2 S1/2				<u></u>			Roderately-slightly weathered rock. Joints: 40-50deg., rarely 80-90deg., brown stained, party filled by thin clay & calcite.						
302						茎	AD-CIV						typer Depth : 300.0 I typer Depth : 300.0 I coom Pariso : 7 I value : 0 00000	00
— 303	22/2 1303 (0) 23/2									:	60 60 80 80 80		t value : 0.0000	GP=0
- 304 - 305	(303 CO)	301.00	_ 123.33 					Maderately-slightly weathered rock. Joints: 20-40deg., partly with thin clay 6 calcite. Brown stained.						
- 306	24/2 1995 58)	2				蓋								
- 307 -	26/2	356.90	419.83			墨		Moderately-slightly weathered rock. Joints: 50-70deg., brown stained.					Upper Dupth : 303 CO Lower Odoth : 308 CO Lughon Valve: 0 50 h Yalve: 0 600000	
- 308 - 309	(309 co) 52\s					苦	A2-c311	313,00m; Scall solution along 40deg, joint.		: i	National and the second		2 3305 9 0000	
- 310						芸								
- 311						差				. ·	13084	o ogo		
- 312 -	27/2 (313.66)	313.00	453.23			茎	1				9 8		toper Orpin : 308 00 toser Digin : 313 00 topen fatur 0 (60 k fatur 0 0000-0	
313 - 314					· .	崖		Moderately-slightly weathered rock. Joints: 20-400eg., rarely 70-600eg. Solution: 1314.80-315.10s; with clay & calcite. 317.35-317.50s; along 700eg. joint.			7.7			
- 315	20/2			Nadire formation	Limestone	差		317.35-317.50m along 70deg.)oint. 317.50-318.00m: Cores are postly fraggents.	D8 .86	 				
- 316 - 317	(115 <u>60)</u>			Nad		芸	Ab-cIV				200			
- 318	(3(0.00) (4)	313.00	498.73					Moderately-slightly weathered rock. Joints: 30-60deg, brown stained.		! !		a &))))	Upper Dept : 3(3) Lawer Dept : 318 (Lageon Value I.) 2 Value : 0.00000	g GP≥
- 319						医		320.40-320.55m: Saail solution along 70deg. joint.		i.	1981	1 A A		
320 321		_320.55	_405.19					Moderately-slightly weathered rock. Joints: 30-400cg., rarely 60-700cg., brown stained, partly filled by thin clay & colorie.				() () () ()		
- 322						臣	19-citt	brown stained, garrly filled by thin clay & calcite. 324.70-325.00% Scall solution along joints. 329.70-329.650:		· · .			borr Orpin 318.00 Corr Orpin 231.00 Lugar Valut 5 M	
323	2/3 (23.69)	_323.50	/03.73			崖		329.70-329.65a: Seall solution along 70deg. joint.					Upper Cepth 318.00 Cover Cepth 321.00 Locar Value 5.00 Locar Value 5.00 Locar Value 5.00	` - -
- 324 - 325						臣	AD-¢IY							
- 326		325.70	_#01.03			達				•	4 6		Loor Depth 23 of Loor Depth 33 of Loor Depth 33 of Loor Depth 33 of Loor Depth 34 of Loor Depth 35 of Loor D	
- 327	5/3					達				!			Cook Depth 1221.00 Lower Depth 1329.00 Lower Depth 1329.00 Lower Major 1.90 Lower Major 1.90	
- 320 - 329	(328,C0)						D-<111				as vibal		Pelmee Pulls : 25	
310		190 63	396.73			运				<u>.</u>			ibper Depth : 325 	oo GP≈

An.o. o to fock deality Designation. A.O.O. ((otal length of extinded)c cores longer than 10 ca)/((otal deill length) x 1001 NULECON VALUE is 1/ein/o under injection water pressure of 10%g/ca2

NOEPHI and ELEVATION are in exter
NOINCEEN is in millicater

GP: Gauge pressure

SITE		Damsi	Damsite I-C							HOLE NO.	SK-314	<u> </u>	
LATIT	UDE	7124.	15					LONGITUDE 7414.95		ELEVATION			726.73m
DATE		Oct.		989 -	May 3	31, 19	90		<u> </u>	DEPTH .	ļ		450,35m
ANGLE	-	100 UE 0029	- 17	0.90°	DIREC	CTION		SLOPE S 6.00	о				
SCALE (m)	Ŀ	₽	ELEVATION	GEOLOGICAL AGE	ROCK TYPE	COLUMN	X CLASS	DESCRIPTION	BIT & DIAMETER GROUND KATER LEVE.	OVERY X	1.0.0 %	WATER PRESSUP R Yalua Lugeon Yak K Yalua : ca	E TEST
S	DATE	пертн	33	OE0	202	Ö	56 52 12	Midnestaly, alightly, washinged each	H 20 88 3	(m) 0 50 1000	(m) 50 100 X 44-3-3	K Yalue : CE 0 10 20 Kasal 1	75EC 30 40 50
- 331	6/3 (331.00)	331.00	_35.D			至	45-c111	Moderately slightly weathered rock. 330.25-330.65m: Cores are mostly fragments due to solution cavities.			MIGH		
- 332			:			弄						tiper Depth : 330. tiper Depth : 333 tiper Value: 7. t Yalue: 0.00000	888
- 333 -	1/3 (2)	332.60	_200_93	:		昱		Moderately-slightly weatherad rock. Many solution cavilies, 2-3cm in max. Width.		0.000	10 10 10 10 10 10 10 10 10 10 10 10 10 1	i fajue : 5 00000	S GP=0
- 334		- 1.				芸			:				
- 335 - 335	·	375.50	391.23			蝁	Ab-cli	Moderately-slightly weathered rock. Joints: 60-70deg., with thin clay.	-	ha84			
- 337						昱	,					tboer Depth : 333.00	
- 338	8/3 (338.00)	336.60	269.73			芸		Roderately-slightly weathered rock. Solution cavities ((cm in max. width)	-	0.000	0.261	tipper bepth : 339,00 timer bepth : 339,00 timer Papth : 239,00 timer Papth : 2,30 k Yalus : 0,00000	
- 339			365.93			茎		are seen.					
- 340	9/3 (341,00)	341.60				笠		Moderalely-slightly weathered rock. Small solution cavities are seen. 341.00-341.50a:			問題		
— 341 — 342						茎	Ab-c191	341.00-341.50a: Cores are fragments due to solution 6 vertical joint.	08.86			Disease Deville - 274 AV	
- 343	16/3 [343.60]	343.00	<u> 381.73</u>			蓋		Moderately-slightly meathered rock. Many solution cavities, filled by clay, calcite E gravel.		19181	27.83	Upper Depth : 33 00 Lover Depth : 34 .00 Lugeon Value : 50 k falue : 0.000000	
- - 344				ation	ė	昱		cairite & gravel. 34.65-345.60m Loose filling materials [clay & gravel].					
- 345 -	17/3 [345-50]			Nadire formation	Limestone	歪	iò-cII	(clay & gravel).		· Pri			
- 346				Nad		盏							
- 347 - 348	19/3 (340.00)	3/28,00	_371.73			莹		Bedanish aliabita onthona ook		<u>B</u> ellin		Upper Orpita : 343 00 Lover Depth : 349 00 Luggon Falver 0 99 k Value : 0.00000	
- 349					٠.	茎		Moderately-slightly weathered rock. Joints: 50-70deg, with this reddish bream clay. 350,30-350.80m					
- 350						臣	Aò-cili	Seall solution cavities.					
- 351 -	20.17					藍	æ-tii1				an Call		
	27/3 (252.10) 21/3	20.00	212 12									Upper Gegin: 340.00 Liver Gegin: 350.00 Liveron Yalue: 1.70 In Yalue: 0.000.00	
- 353 - - 354	21/3 [25] 60] 21/3 [353,50]	253.00	בו.מנ_			異							
- 355						屋				PURA	1131		
- - 356	26/3 [356.35]					屋	45		09.75	1 1 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
- - 357						蒫	#b-cIV		09.76	PHOCNI		Upper Depth 353.0 Loger Depth 353.0 Loger Waller 6.0 L Value : 0.00000	
358 	27/3 [356.00]					臣				22.0	ce on	t Mature : 0 (000000	GP=C
359 - 360		360.60	366.23			蓋						Upper Depth : 258.00 Lower Depth : 350.00 Logeck Value : 3.20 k Value : 3.000000	

and 1 30.00 36.20 16.20 1.

and 0 is Rock quality Designation. A.O.D-lioted length of cylindric cores lenger than 10 cml/lioted drill length) x 100% MUSEON YAUE is 1/min/s under lojection water pressure of 10kg/cm2 MOINMEIEN to in millimeter GP: Gauge pressure

A1 - 75

SITE		Dansite I-C						HOLE NO.	SK-314					
LATIT	UDE	7124.						LONGITUDE 7414.95			ELEVATION	ļ		26.73m
DATE				989	May (31, 19	90	M-10.	HO	170N	DEPTH			150.35m
ANGLE		iSt UP OXIDI	$\cdot P$	0.00	OIRE	TION		190 2 0 00 STOLE	. [Γ		<u> </u>		<u> </u>
SCALE (m)	DATE	ОЕРТН	ELEVATION	GEOLOGICAL AGE	ROCK TYPE	COLUMN	RDCK CLASS	DESCRIPTION	BIT 6	SPOUND SPOUND	CORE REC-	Π.G.D % (m) 50 100	WATER PRESSURE ! N Value : Lugeon Value : K Value : cm/sec 0 10 20 30	(EST 6 40 50
	20/3 (36).00)			9	<u>u</u>	库	Ab clV							
- 361 -	1261-594	- 80 .tg	365,73			至								
— 362 -	29/3					목	45-c111				1.18		Upper Ompih: 360.00 Liner: Ompih: 360.00 Liner: Ompih: 360.00 Liner: 0.00000 k Yalbe: 0.00000	
363	(363.00)	363.80	.363.23	*:		臣					Pres.			
- 364			· .			屋								.
365						逹	ND-CTY				11.21			
365	30/3 [366,70]					臣				1				. .
367	31/3					至					DARA)		Upper Orpth : 363.60 Lover Orpth : 368.00 Lovern Yasiv : 6.20 Lovern Yasiv : 6.20	GP=0
369	(369,00) (360,49)	368.42	358.33			氢	-					2) [] []	9	
369		369,52	36) 23	,		宝		Solution cavity.						
- 370					12 N	塞	12-cill	Filled by gravels, boulders and clay.						
- 371 -	3/4 17/1.491	_371.40	265.39			宝		Filled materials are well compacted.		1		inici)		
- 372 -	1/4					逹	AD-CI				inakai -	11.0	ibper lepth : 358.00 Lower lepth : 373.00 Loyers value: 2.45 k Velue: 0.00000	
- 373	3/4 (373.00)	373.00				逹	Ab-ell				21.041		V 1910 - 0.0000	
- 374 -		_373.55	352.63 352.69	formation	one	宝		Moderately-slightly weathered rock. 374.50-375.25a Seall cases along joints. Portly filled by calcite & clay. 376.25-376.50a 70dep, joint, filled by thin clay and calcite.			94 5	0.8		
- 375	5/4 (375.09)			Nadire for	Limestone	宝	Ab-c IV	Portly filled by calcite & clay . 376.25-376.50m: 70deg. joint, filled by thin	D9.7	6		11 g i		
- 376	(375.60)	376.00 376.50	350 73 350.23	pen		园					13 D D 11			
- 377	5/4					逹	M-EIII	Solution cavity. Filled by gravels, boulders and clay, well cospected.			111011		Uper Depth 373.50 Lover Depth 378.60 Lover Valu 6.30 k falue : 0 000000	GP=0
— 378 —	(375.09)	3771.00	349.23			崖					ingles!		\$ 14108 : \$1000000 \$ 1	- [· - ·
- 379	7/4					崖	Ab-c1							
- 380 E	(380 <u>.00)</u>	380,00	3/5.73			逹		٠.			0.0[67]	(20) (3)		
- 381		33				摆	AS-¢III					a a l		
302 	9/4	\$11.E	344.60		s	臣		Koderately-slightly weathered rock. 383.00-383.80m:			*	100	Unier Depth :3/8 00 Lover Depth :3/3 00 Distan Yalu	GP=0
— 383 -	(30) (3)	301.00	31.13	"				Solution cave, filled by gravels and clay, well cospected.					1 aius : 01000000	Qt-21
- 384						臣	No-cIV	383.80-385.90m; Small caves along joints.						
385	10/4					怪								
- 3,66	10/4 (185.00)	323 :80	-49.11			翿		Solution cavity: Filled by gravels, boulders and	1		12.15.00	1304 SG #		
397 				į		跬	Ab-cY	clay, well cospected.			1 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		Usper Oepto : 303.60 timer Depto : 303.60 timer Depto : 368.67 timero volum: 7.20 k Value : 0.00000	
— 38 8	11/4 [韓/知 [53.创					跬	, NU - L 7				2008		C	GP≃
- 339	13/4 [309.05]	3631.05 3920.50	_312.CS _131.23			臣							Upper Depth : 386 60 St tosen Depth : 396 60 St tosen Depth : 396 60 Upperh 191ve 1 50 T k 191ke : 6 00000	
390		301.60			<u></u>	王王	10-cly	Small caves along joints.	<u> </u>	1		30 31	tografi valve 13.50 a valle : 0.00,000	

^{**}OLAMETER to in still sales.

GP: Gauge pressure

SITE		Damsite I-C HOLE NO						HOLE NO	E NO. SK-314					
LATIT	HDF	7124.	-	•				LONGITUDE 7414.95			ELEVATION			726.73m
DATE	VIII.	Oct.		989 -	May 3	31, 19	90	4.11117	14 1		DEPTH			450.35m
		180		90		·		370. 7 0. 80 . 81 000	KONL	ON			11.	
ANGLE		DOM:	・け	6.00	DIAEC	CTION		SLOPE 9	、 ワ	0.00		L		
					Ж	T		DESCRIPTION	臣		CORE REC-	R.O.D	NATER PRESS	SURE TEST
SCALE (m)		ź	ELEVATION	GEOLOGICAL AGE	ROCK TYPE	SECTION	K CLASS	DESCRIPTION	1 . 111	ROUND Water Leve	OVERY X	X	N Yal Lugeon K Yalue :	lue Value
3	DATE	рертн	E	ဌ	ğ	SPLUMEN	5 2 2		BIT 6	GROUND	(m)	(m)	K Yajue :	cm/sec 30 40 50
· ·	.0_				Œ.	17.	AD CIV	Moderately-slightly weathered rock.	-	<u> </u>		TÜNÜT	0 10 20	30 40 50
-		390.65	_336.00			莊	-	Small caves are seen along			2 62 17	72 (53) 1	\$120 g	
391	- 11 - 12 - 12					跓	Ab-cV	irregular loints.						
392		_392.05	334.68			完						149	Imper Centh - Total	,
.	15/4	1 tr				异		Moderately-slightly weathered rock. Juints: 20-50deg., rarely 80-90deg.			ामध्य ने	TV	tipper Depth : 100.6 # Loser Depth : 303.6 Lugen Yalur 3.5 % k Yalle : 0.00000	ž
- 393	(393,66)							Partly filled by thin calcite.			14 - 24 B 3 B 4 4 4 5		Table : 0.00,000	<u>'-tt-</u>
~						庄		400.93-401.63a:		3				
394	17/4 [394 65]		- 1					Vertical joint, filled by calcite.				3 中間		
395	134, 33					迚			·		4.4			
	ļ '	[İ	三								
- 396					[注				l				
				1		岊				l	71 (4 12 14 15 E			
397						莊	Ab-clV				and the state of		those Death : 393 00 tower Opath : 390 00 tugeon Value: 1,00 t Value: 0,00000	
398	(8/4 (198.40)					===		•				A PA	E falue : 0.00000	
i i								•						
399	19/4 (399,40)					异								
400						平						78		
100						异								
- 401						臣								
						异								
- 402		402.40	324.33	-		正				}			Upper Depth : 3 Lever Depth : 4 Legron Yales: k Yales : 0.00	98.00 03.00
403	20/4 (403.00)	403,00	323,73			圧	L	Moderately-slightly weathered rock. 402.40-405.00m & 406.80-407.75m;			43	村村		GP≃(
_ "]				N		压	.	Cores are mostly fragments due					4 35	
404	- :		.	ĕ		莊		to eany irregular joints.						
- 1	1/5 (404.85)			50	ale .	1	Ab-EV	410.75-411.10#:			7. Table 1.			
405				e fo	Linestone	芦		Gravels with clay, cave.	09.76					
405		466.00	329.73	Vadire formation	- 3	긒	<u> </u>				" 育朗	5 ON1		
			212.00	Ž		岸	A6-¢111	•	1					}
407		405.80	_319.93		. :	荘	AD-CIY						Upper Depth : 0	93.00
	2/5 (408.00)	407.75	315.95	.		肝				1	和劉		Upper Depth : 6 Lever Depth : 6 Lepen Valle: 2 k Value : 0.00	03.00 08.09 7.40 0000 GP≃0
40B	3/5				11.	茔	AD-CY				При			
409	(40 <u>9</u> , (5)	_528.85	_3)7.Œ			냪					海刺			
- 1			- 1	4.1		苎				1				
410						堙								
	5/5 [411.00]		1.5			岊						118		
411	, (84)	411.10	. 315.53			吐		Moderately-slightly weathered rock.	1		286351			
412			, .			圧		Joints: 30-60deg., rarely 10-30deg.					Davis Const	M 60
-	7/5					茔		Partly filled by thin clay and/or calcite.		:			toper Deptr : 4 toper Ceptr : 4 toper Table topen Table & Yalue : 0.00	13 50 5.60
- 413	[113.09]			.		压					THE CAN		Control Value : 0.00	‱ooooo
- 1						臣								
- 414						垤	AD-CIV							
- 415	9/5 (4)5 30)					臣			ļ ,					
- "1	1435 30)					军]			7)†††††		
- 416						阡	:							
. [.				莊								.
417						댪							tager Depta :	413.00 418.00
ا مرد	(0/5 ((18.63)					定	٠.	en en en en en en en en en en en en en e		· ·	48 66		t per Depte : 1 per Depte : 1 pers Value : 4 Value : 0.0	60000 GP=0
		. ,				苎		•						
- 419	11/5 1112.13		, : :			定						144	Usper Ceal	418.50
420						芫							tower Depth tower Depth : Logon Value t Value : 0.6	418.55 420.00 7.60 00000
		_ (20_X)	305.73		نننا	1	ليبسا	of cylindric cores longer than 10 cml/[[otel	<u> </u>	<u> </u>	4. 656 1081 544	44 PM	ATRICE X Yalus : 0.0	·

And the fact was the second sector of the second sector of the second sector of the second sector of the second sector of the sector sector of the sector sector of the sector sector of the sector sector of the sector sector of the sector sector of the sector sector of the sector sector of the sector sector of the sector sector of the sector sector of the secto

AG.O.D is Nock Coality Designation. H.O.D. (Intel length of cylindric cares larger than 10 cm)/(Total drill length) x 100%

QUEEN VALUE to 1/ain/a under injection water pressure of 10kg/cm2 MEPTH and ELEVATION are in zeler

Officers is in still seter GP; Gauge pressure

TIE		Dansi	te I-	c											HOLE			SK-3	14					
LATITUDE		7124.12 LONGITUDE 7414.95										ELEVATION			726.73m									
DATE		Oct. 16, 1989 - May 31, 1990								нтчэр			450.35m											
ANGLE		0.00		DIRECTION		\$100 \$ 0.00. STODE			₩ \(\bullet \), \(\dots\)		0.00								<i>.</i>					
SCALE (m)	S DATE	9 DEPTH	ELEVATION	GECK OGICAL AGE		COLUMN SECTION	F ROCK			IPTION	,	SBIT &	32 DIAMETER	GROUND MATER LEVEL	CORE OVE	AEC- AY X (m)	1	R.O.T X (m)	1) 	ATER PR Luge K Valu	ESSURE Value on Value e : ca/ 20 3	TEST	so 50
- 451	19914																							
- 452 - 453																								·
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479 400						. :1	1	-						· ·		Ш		Ш	Ш					

IN Q.D is flock deality Designation. A.Q.D-ficted length of cylindric cores longer than 10 ce)/(foted drill length) x 100% million water pressure of 10%s/ce2
ACEPIN and ELEVATION are in mater
HOTAMETER to in citiester