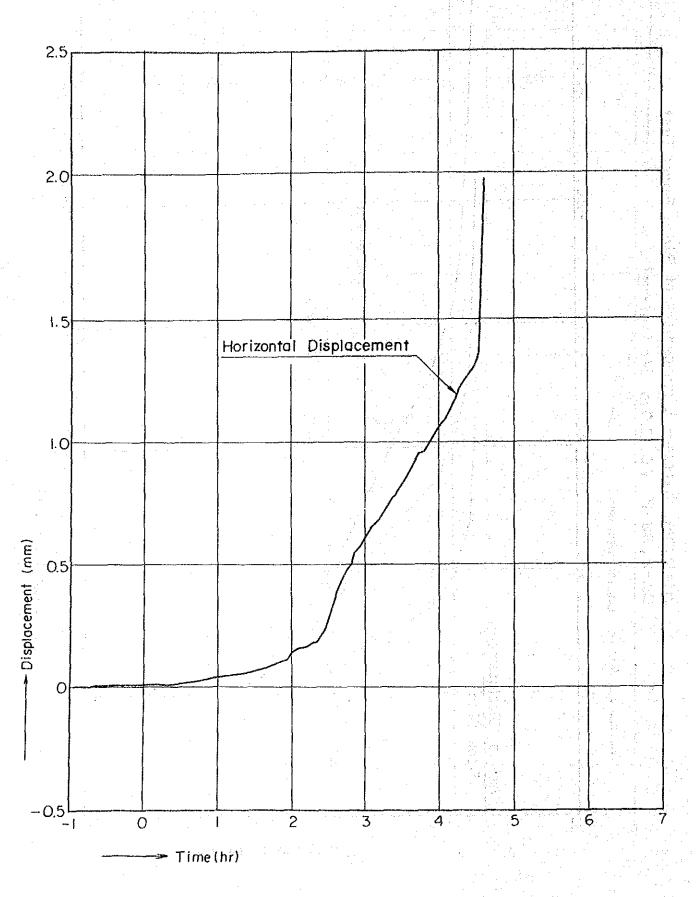
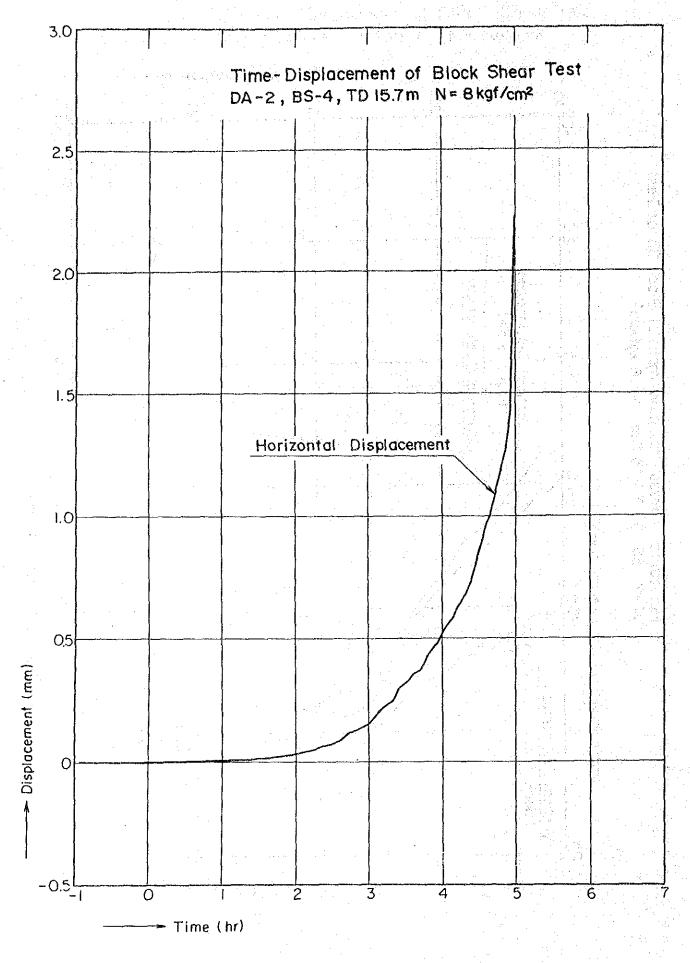
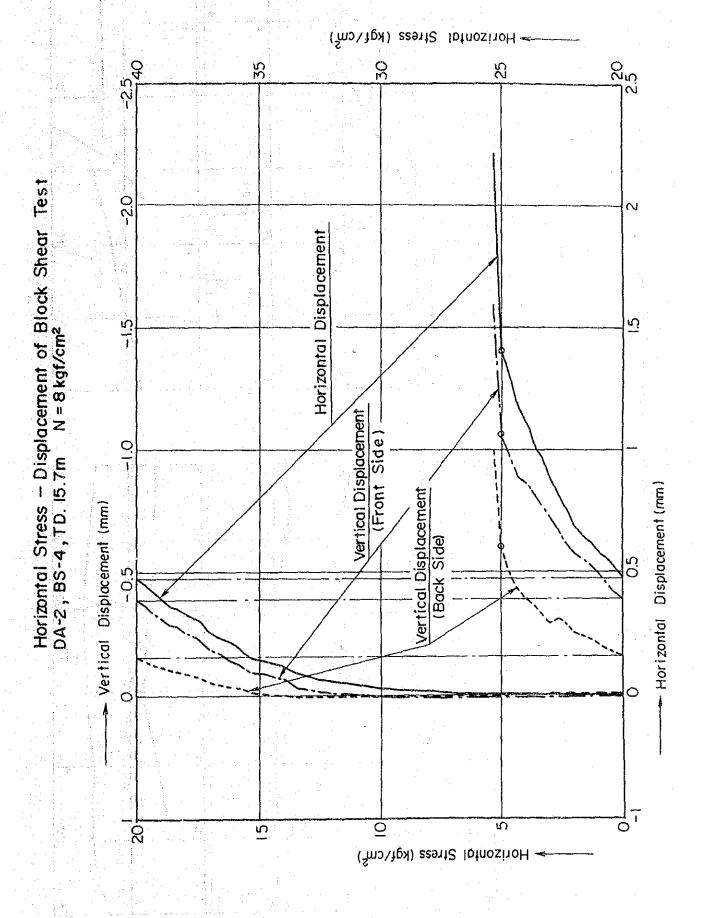


Time-Displacement of Block Shear Test DA-2, BS-3, TD 13.5m N=6kgf/cm²



Horizontal Stress (kgt/cm²) 120 2.5 S Horizontal Stress – Displacement of Block Shear Test DA-2, BS-3, TD.13.5 m N= 6 kgf/cm² -2.0 Vertical Displacement Horizontal Displacement (Front Side) -1.5 Horizontal Displacement (mm) - Vertical Displacement (mm) 0.5 -05 Vertical Displacement (Back Side) 0 우 수 Horizontal Stress (kgt/cm²)





TEST LOCATION : DA-1 TEST NO : BS-1

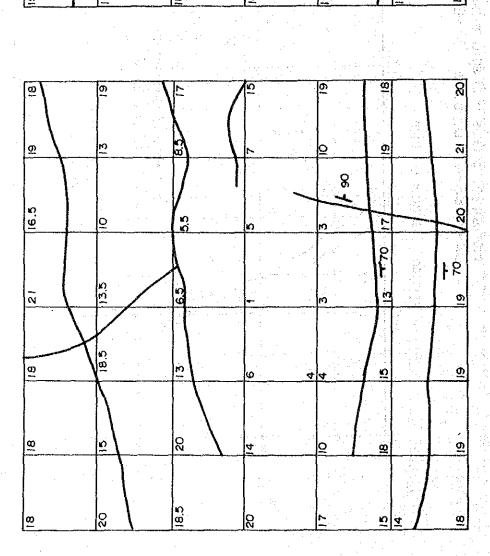
MEASURING POINT: TD-15.2 m

=

2/

MEASURING POINT : TD-17.4m

TEST LOCATION : DA-1 TEST NO. : BS-2



60

901

ō

Q

õ

Ю

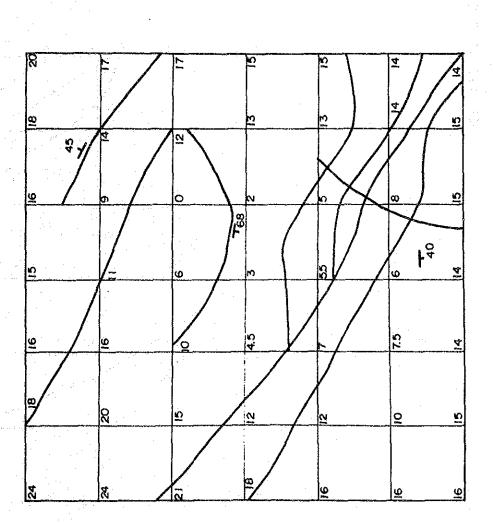
TEST LOCATION : DA-1 TEST NO.: 85-4

MEASURING POINT : TD-20.0m

TEST LOCATION: DA-1 TEST NO.: 85-3

MEASURING POINT: TD-18.6 m

27 22.5 22.5 24 24 23 24 24 23 23 23 23 23 19 19 19



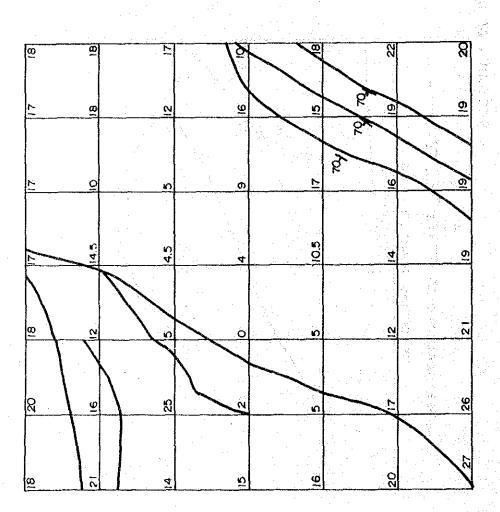
TEST LOCATION : DA-2 TEST NO. : BS-2

MEASURING POINT : TD-15.7 m

TEST NO. 185-1 TEST LOCATION : DA-2

MEASURING POINT : TD-10,8m

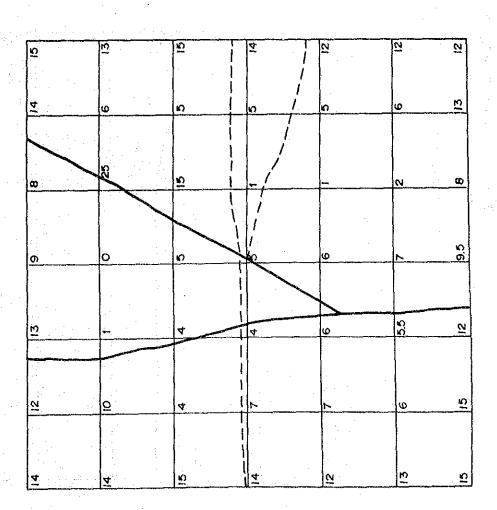
B 8 24 মি 8 ম **4** 0 464 ō 55 ū 21 6



TEST LOCATION : DA-2 TEST NO. : 85-3

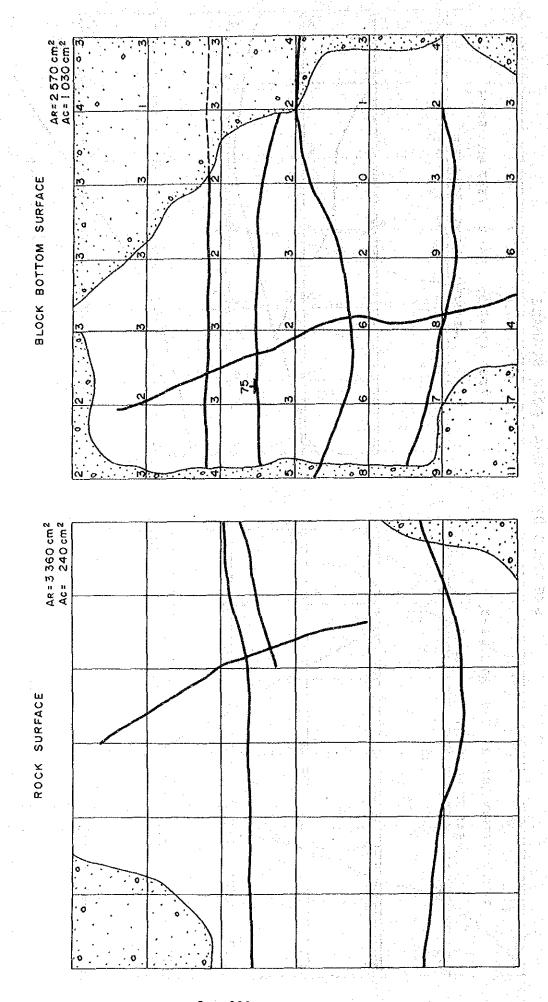
TEST LOCATION : DA-2 TEST NO : 85-4 MEASURING POINT : TD-15.7m MEASURING POINT : TD-13.5 m

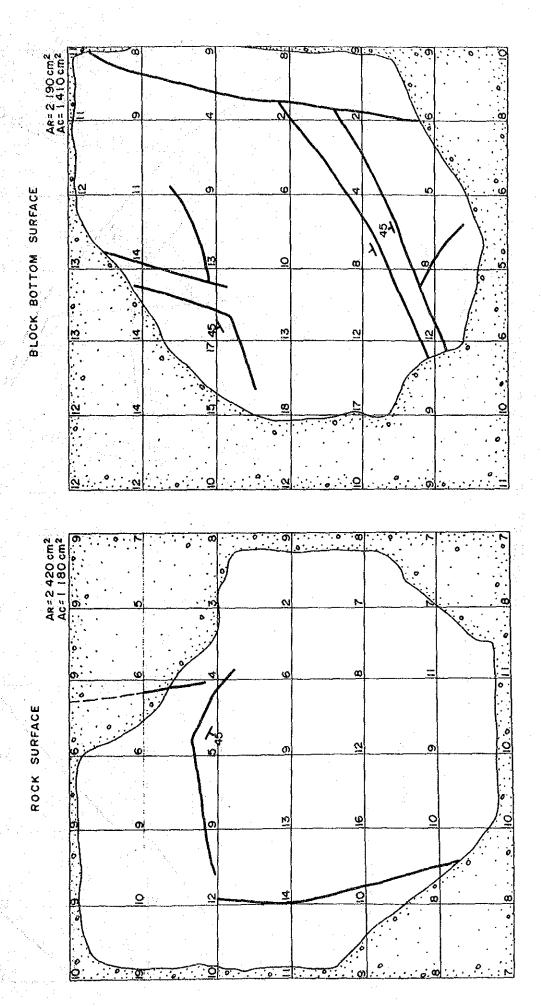
20 20 8 Ö 4 4 ŭ



3-11-5 SKETCHES OF FRACTURED SURFACES

TEST LOCATION: DA-1 TEST NO: BS-1 MEASURING POINT; TD-15.2 m





SKETCHES OF FRACTURED SURFACES

MEASURING POINT: TD-18.6m

TEST NO:85-3

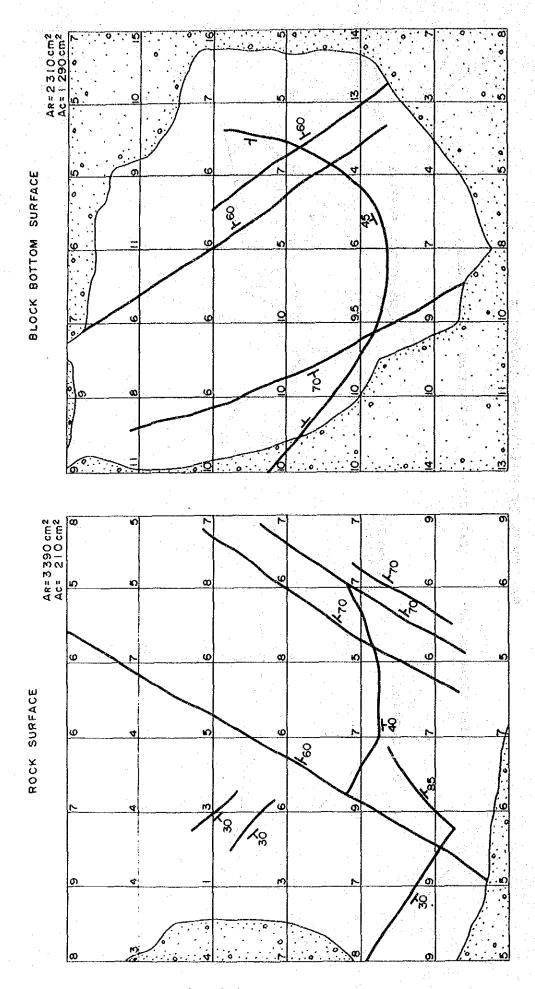
Хg BLOCK BOTTOM SURFACE 185 AR= 3 600 cm² AC= 0 cm² ROCK SURFACE

MEASURING POINT: TD -20.0m

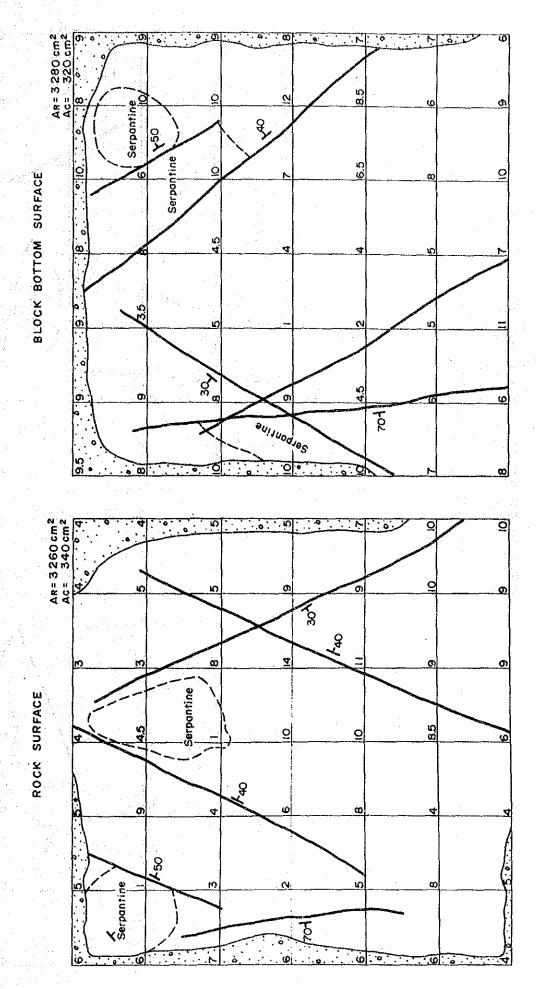
TEST NO.BS-4

BLOCK BOTTOM SURFACE ROCK SURFACE

TEST LOCATION: DA-2 TEST NO. BS-1 MEASURING POINT: TD-10.1m



MEASURING POINT: TD-12.0m TEST NO BS-2 TEST LOCATION: DA-2



SKETCHES OF FRACTURED SURFACES

MEASURING POINT: TD-13.5m

TEST NO:BS-3

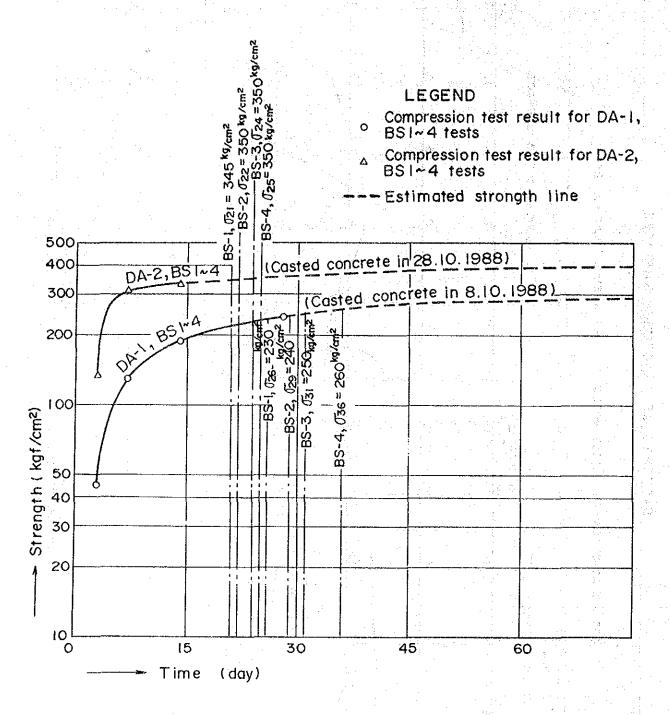
AR=3530 cm2 BLOCK BOTTOM SURFACE Serpantine Serpontine Ac= 0 cm2 ROCK SURFACE Serpantine Serpantine SS

MEASURING POINT:TD-12.0m

TEST NO: BS-4

AR= 3130 cm²
Ac= 470 cm² BLOCK BOTTOM SURFACE 8 Serpontine AR= 3 600 cm² Ac= 0 cm² Ō Serpontine ROCK SURFACE 491

3-11-6 Time - Compression Strength of Concrete



21							1																											
2 kg/cm²		Remarks								And the second																								
ž	ĵ.	(1321	360	19.80	161	361	6.60	207	15	65	345.8	12.0	3.8%	67/3	180	260	650	istaci States	×26/	562	.0	8888	1,79	19873	[X]	100	1000	100.99	30	1001	13.	1330	878
	(x 10-3mm)	0	6	9	8.0	9	30	3/	0.0	37	3	838	3	75.5	200	3	13.5	26.70.69		3	56580		280	27.96	3	2		3%	00	8	8,	8	18	
1-58		@	76'	9	0	0	0	0	/	K	79	100	911	777/	18	/3/	77	00	દ	\$	28	50	20	76	28	87	36	7	38	777	4/	5	29	29
	Displacement	<u>6</u>	0	0	0	0	0	0	0	75	36	52	103	11.3	124	120	98	7	17	00 3	€3	0	73/	750	2	62	0	53	0	37	3	39	7	0
1-80		9	0	0	1	0	1	0	2	0	. 2	Ů.	82	1.12	136	92	87	Ø	23	701	21	0	9/	17	٤/	09	8/	23	6	10	49	,3	. 39	2
Block No.	Horizontal	ଡ	2	/	7	7	7	/	0	30	- 60	1221	125	125	69	149	82	25	55	32	76	32	z	28	2	3,6	29	155	6/	4)	28	3.5	2	3/
Bloc	(E	<u>3</u> +⊕	37.75	370	51.0	37.0	37.0	05.20	2 40	59:50%	\$87.27	4. 2.2.	37/125	15.74	-45.03	57.15	454557-	43% 72.	-9.511	25.25	795,39	16.5.30	2 3.65	115-369	17.50	105/11	-25. get	11546	20,00	1/.420	924 9-	2600	13.5.6.F.	17.60%
7	(x 10 ⁻³ mm)	(P)	00	0	0	0	0	///	4	0 3	- 4 -	- 21 12	207	-32	-31/5-	- 20	- 67-	, 7 7	- 2	2 -7	-) ج –	16-	0		7 -	- 2	9 -	, 8 -	۔ ج	-10	- 6	8	-8	8
15		(P)		0	9	0	0	0	0	77	8	30	-27	65	5.9	-80	-,32	23	-/2	الى الى	87-	-8	71	22	,0,-	02	- ک	1.0	- 2	77	اد <i>-</i>	5 7	-39	9
7.8	Displacement		18.2	29	29.5	465	35.55	\ I		130	2657	-167.569	13	2/2	13063%	13	70	12/2	5000 35	57/63	12.50	::	1803	2/60/2	2.1	1,100/5	7.000	-19.00k	100	13.6	inst	7677	30,5265	1,400
Maasuring Point			6)	30/	1 0,5	9	20	3. 9/	20 10	-82	2-158-	-138 -15	27	183 -72	61 13	5	36- X6	87	32	63 -44	21-18	25	30 76	32 5	12. 87	7	S 85	17 -1	-24	<i>'</i> //	0 61	17-61	-33 30	4 3
suring	Variical	<u>@</u>	_	1 :		_	1	_	1				ì	-		9 -	J			े । गु		- 6	ا ش		1	.1 .2 .3	-	- 7			2 =	7		<u> </u>
(2)		Θ	0	0	0	0	0	9	O	72 -	7	127-	-134	24	ो	9/-	7	15 -	- 40	- 25	-26	<u> </u>	1	-25	3	3	-28	7	-22	4	72 -	75-	11.5	
. 1	1 Jack	Jack Passure kg/cm ²)	2.25	45	6.5	8.25	077	13.25	75.5	17.5	1975	22.0	27.25	26.5	285	30.75	330	35.55	37.5	395	27.74	057	46.25	425	505	5275	- 6	3.0	29.62	6/15	52.87	099	. 1	
N SHEET	Diagonal	Forizontal Jack Siress Pressure (kg/cnt?) (kg/cm²)	75.0	0.68	0.99	1.33	7.67	2.01	2.35	2.65	3,83	3.34	2000	4.02	4.32	4.66	200	5:35	5.69	4.99	6.83	6.67	10.6	7,06	7,66	8.00	83%	89.8	9.02	9.33	69.6	1001	10.35	10.69
l data	Jack	Jock Pressure (kg/cm ²)	7/4	· ·	"	"	4	"	, ,	,	"	``		1	. "	"	7	,	"	, ,	•		1	,,		4	S. S. Salana				,			0
7 TEST		Vertical J Stress R (89/cm²)(3	7	١	~	"	"	1	- Y	"	V	1	"	,	14	"	1 1	,	,		4			"	"	,	a manage of a second		1	, W	*	4	4	7
SHEAR	Z E	71	0	3	8	12	9/	20	24	202	32	96"	40	77	87	250	۲۶,	30:1	7	00	77	91	20	3%	38	32	9€	3	77	87	Ľ	\$\$	2:00	70
ROCK		Tim.																		****		1.00	100											

	Remarks																															
10-3mm)	<u>୍</u> ଚ୍ଚ	13775		18.5%	1635/	17.67	27.86.75	170000	25/4/25	1987	262×252	27/48/26	24 2016		Sec. 1	223,6247	2007	103,000	1000	200/2/	1000	1900	20,200 A	36.281/	3008/	S. S	4374	2013/22	482		18.00	599960
۳	<u>9</u>	20	92	30	22	28	与	72	77	177	3.5	रू	02	13%	12	43	2	3	7	20	_	14	I	\$	7	44	0	8	23	020	1	23
Displacement	©	0	0	10	0	0	23	0	379	0	40	d	0	25	0	0	32	9	0	22	S	7	0	36	7	4	0	36	7	넋	9	29
	ම	2/	833	0/	8	17	0%	Š	38	61	6	12	22	30	*	36	15	//	3	7.7	67	38	32	21	23	3	/	2	7 -	14	6	15
Horizontat	ၜ	17.	2	3	23	100	\$3	24	132	2.9	٨	75	χç	126	OX.	0/	87	6	53	0	177	7	3%	23	1/2	36	12	67	3	37	8	/5
(mm)	2	12.02	2-483	15.00	4:62:7	12.47	35005	125	125.557	-8-565	2/4.3	12 8/1	13:51	165-02-	165-0	185.20	10/301	308-	3-611	7356295	~` '	13/3/	79977	-3-169	25 692.5	2083-	5 n 87 5 -	3.6505	1,2,69.5	100-	2 203	1.5 1105
(x 10 ⁻³ 11	(a)	-75	-9 -	- 75	2	9 -	-72	-25	-27	- 76/-	77 -				0		7	- 2	- 9 -	- 2 5	15-		-19	-6	-2	19/-	/ -	. 9 =	×	3	3-	N
	®	- 2	6~	8 -	0	19-	2 -	-28	- 20	2 -	0/1	0/-	- 2	-23	0	0	37-	0	0	-20	- 30	0	-29	0	3-	0	١ ٧	0	- 20	٥	0	<u>_</u> 2
Displacement	0+ <u>©</u>	19. 18. 18. 18. 18. 18. 18. 18. 18. 18. 18	(45/7/1-	1387	9005	\$2KJ877	12.186	Night.	13/11/1	14.40.0	1/4/19	6/20/	13947	6745	1884/5/-	68/3/37-	2.1509	683755-	6265/2/-	1855/21		2-650.5	18/666	12-7589	4.300/2.2-	25,6979	1389/2.6	12/2019	Sind.	-6716"	Minn't	300
Vertical	<u>)</u>	-151-	77-	155-	- 15		-25		2	-/7	- 20		-20	- (S				FT - 4				-1,8		-43	Ni	- 8	17	-12	5/-	00	77	1
Ver	Θ	- 22	61-	02 -	101-	8 -	- 39	E -	26	25 -	2/-	8/ -	-23	-23	5/7	6/-		22-	7	6 -	-33	0	-38	- 22	67-	//-	0/-	8/-	0	カー	0	
Jack	ock essure o/cm²)		74.75	220	29.25	3/8	335	8575	880	5006	925	346	96,23	066	5.101	75.00	3301	27.70	0011	3777	5411	1.6.5	1.8.5	0/2/	123.	057/	1275	22.57	0251	32461	3981	284
Diagonal Jack	Herizontal Jack Stress Pressure (kg/cm?) (kg/cm?)	00//	7/84	8911	12021	90 71	12.66	10.61		13.69		14,33	1951	105%	15:36	15.70	0.50	40.71	89.9/		1737	12.67	12.97	18 35	18.65	18.8%	A. 0.	89.67	20.02	36,02	07.05	1082
1 - 1	ressure S	78/	ļ	1	*	·	"	'	"	"	ì	"	ï	*	:	T	1	-	*	,	,	"	"	"		;			,	,	,	
Vertical Jack	Elapsed Stress (Pessure (Roycm²)	7	1	1,	,		-	"	"	1	1	*	*	1	1		*	*		*	1	"	"	1	ï	,		;		ļ	-	
	Figure 5	800	77	9(70	75	28	26	36	07	22	87	52	355	3.8	70	8	12	9/	20	75	শ্ব	32	36	60%	73	87	2 2	3	8:3	70	l°?
	Tim.																															

Z kg/cm²		Remarks																					and the second of the second of the second of	emiliar e e e e e e e e e e e e e e e e e e e										And the second s	
24	10-3 mm)	@ - @	15,000	25.30.20.5	1600	14.0794	14605	18:50	17.8 1008	368,00	372086	12 243	16.27	22/22	12/23	125.50	13.00 m	36.47	1825.78	27 Expel	177.500	1555A	W. Errel	350,80	が	3612	3000	19. 8/2	100,00	14/62	100.63	2/2007	Ğ	3000	
1-58	X)	@	ري	37	20	33		14	20	28	/3	13	30	33	18	15	15	55	17	30	Σ	45	3	28	38	40	38	36	16	55	72	\$\$	45	70	•
77	Displacement	0	0	'n	0	83	0	37	1	0	116	0	0	60	28	0	82	ۍ	0	10	77	37	17	42	39	4/	35	25	185	9	74	50	90	85	
20		ဖ	37	27	17	///	3	15/	26	29	. 7	<i>h</i> /	17	53	カカ	12	0/	SS	26	K	40	/2	57	6.3	32	3	87	00	12	. 85	138	0	1577	12	
Block No.	Hori zonsas	9	2.5	34	0/	86	19	7	24	50	20	5/	/8	25	75	30	3/	40	30	25	16	77	2.7	35	71	12	28	37	35	59	501.	ئ	53	45	
Se.	mm)	⊕+@ 2	912	36.12.35	-0.5.21×	-13546	3769	185,935	1196-11-	200	8.48.8	486.2	-2.5 78K!	-16.5	2187	618 2-	2820=	J. 76.	3985-	1887	468 W-	20502	18.8%	18:2	C46.3%	10.5.01	13.50	15.80	10132	-62/039	860/35-	3600-	377	96/1-	
٦. الا	(x 10'3	•	0	7/-	,	7 - 4	9 -	د ع	- 2	9/-	٠ س	\$ =	- ک	13	\ -	1//-	- 2	-23	7 -	- 72	6-	0/-	5/-	QO 1	V -	7 -	9 -	-24		- 7	-43	9	- 22	-75	
FÐ 15,		<u> </u>	0	-12	0	- 20	0	9 -	-20	0	-75	0	0	- 20	-/2	ا ق	-12	95 -	- 6	71-	-72	-10	15/-	87-	-10	- 17	8/-	٠ ۲	82 -	-37	- 25	0	-23	727	
2	Displacement	0+©	1376	6303	100	1.84.9	46.25	Charge!	1000	1/88/1	845,9049	< · 1	19.9.64	-26.7564	24.9xx	61864-51-	21.20199	1,01	-17:058	7/102	4-301-50-	-22 2194	-2/21/5th	-22 Elle	1.20	12.22	23.00	10000	39.5.09	A 237.9"	-27.40	0 11.0	604500	3635	
ing Point	rtical	<u>0</u> ©	7	33.	- 3	- 20	-/2	-///-	22	- 28	-/ \$/-	-10	-12	-295	8/-	- 187		-28	- 61-	-/5	- 55-	-38		- 22		-22		1/6-	977	- 45	.83	0	-46	1/8-	1
) Maosuring	Ver	Θ	0	756	0	90	37-	777-	0	8/-	-32	13	J.	- 22	-29	61-	161-	-28	2/-	- 26	61-	-20	2.28	-27	72 ~	€	-/7	-20	-33	243	16-	0	96-	-20	
か) 上	Jack	ock essure g/cm²)	1430	52'541	147.5	265	520	0757	1,560	1580	160,5	762.5	626	670	0691	0/4/	3641	1760	086	0.08/	1820	3481	0681	265	0/61	986	5561	0801	2000	2020	2040	2.902	0602	0//2	
SHEET	Diagonal	Perizona Jack Stress Pressure (kg/an9 (kg/cm²)	2/69			- 3	23.05		23,66		24.84			25.63	2563	25.93	16.97	26,69	27.00	22.30	2260	278			ليانا	12.62	29.65	0000	3033				07.70	3200	
SHEAR TEST DATA	Jack	* S	*/	"	0	"	"	"	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,			,			1	`		, ,,			`			-				1	1	,	1	1	ì	
TEST		Vertical J Stress A (kg/cm²)(1)	4	1	"	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	7		4	Ņ		,	٥			*	,	,	*		"	4	·	ï	"	7	``			<i>,</i>		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		î	
SHEAF) 	Ebpsad S	9/	20	777	28	32	36	93	57	87	Ç	જ	2,00	20	80	7/	191	22	7.4	28	32	9%	3	44	27	\$2	B	6:00	70	80	12	7	22	
ROCK		Time.		1			í		-											1			7					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				\$1.50 mg/s			
·- [<u>I </u>	LI	1			لـــا		L	I	<u> </u>	L	l	L	.	٠	1	1		L	<u>!</u>	I	l			<u> </u>	(1).					1	•	
																3 .	→ <i>1</i>	234	,) 				

Assistant lack Discount lack Vertical Dischaement (x 10 3 mm) Horizonial Displacement (x 10 3 mm)	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	-19 -58 3856 -42 -16	2150 -30 -10-2010 -18 -8 -3161 60 44 36 23	31- 02- 102- 02- 32- 062	2209 - 8 - 20 - 4597 -10 -10 79/20 25 21 17 43	2220 -11 -26 -183404 -15 -10 -18321 43 31 25 42	2240 - 43 -34 32 1 -37 -26 45 500 87 72 48 96	2280 -43 -62 -52 -58 -39 -39 -45, 30 25 49 59 118	2285 -32 -88 25 200 -15 -61 29 195 106 138 57 192	2310 -131 -80-10031849 -130 -110-12949 276 136 254 243	- 72 - 90-8/309 - 85 -105-8/5/5/ 382 2/8 65 1/2	21/30 Sugar -640 -829 201 100 1872 1810										
Vertical Jack Strass Ressure Rescuely 10 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	14 328 10 326 10 329 10 338 10	32.50	33.97	Care	19.69			8226		35,20	Ι.	Ι.	[1					-
Time Vertical Jo	Ekopsed (2) (455 HT	24 2			<u> </u>	" "	" 77	" 877	1	656 "	Ļ											

ROCK SHEAR TEST DATA SHEET (1)

N.	and his a many space	T	: 5.		T	Γ	<u> </u>	T	<u> </u>	ĺ					Γ-	<u> </u>		<u> </u>		Ī		П				******			1	Ī		
4 kg/cm²	3600 cm²		Remorks																										5 (4) (4) (4) (4) (4) (4) (4) (4) (4) (4)		A company of the majority of the following sections of the section	
" Z	م ہے آر ادر		R er						100								ar∗.					1 . 21 .	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	181			,				er en production de la pergentie	
ö		(x 10-3 mm)	@-4	0	0	3.5.50	2.5.0	-1.26		18.00	180	15.0	45.50	4.50		* 545 E																
Block No.			0	0	0	0	0		0	0	0	. "	1	/	31 N		A A														April 10 miles	
i i	 	Displacement	©	0	0	13	0	0	0	٠٠)	0	0	0	0									3 1 14 3 1 4									
11. 1988	Ram Diameter \$25.35cm Ram Diometer \$79.05cm	:	0	0	0	0	0	0	0	0	0	0	0	0			14									Ā.				3 / 18 / 18 / 18 / 18 / 18 / 18 / 18 / 1		
o	Diamete	Horizontal	ര	0	0	0	/	7 ~	7-	0	0	0	0	0			*} ::::::::::::::::::::::::::::::::::::						7								100	
Date Measured	d by Ram Ram Dio	mm)	Ø+@ 2	0	2020	200	200	1200	50.0		510	250	2-6	20																		
Dafe	Aeasured 3963 kg/cm² 17 kg/cm² R	(x103	•	0	1 1	0	0	0	0		0		77				7.1 2.1 2.1					7.								107 20 20 31 3		
22	1 ' 7	ment	6	0	0	0	0	0	0	0	0	0	0	0				1.														
TD174m	1 %	Displacement	<u>0</u> +@	0	3050	150	4	35.35	0035	2.35	25.7	15.21	١.	1500																		
27	its, Mox. Oil Pre Max. Oil Pressure	Vertical	©	0	9/	0	9	0		0								<u> </u>		<u> </u>												
Point	8 S	\ \	Θ	0	0	,	0	4	0	0	Ł	^1)	Ą	0	-					-												
Measuring	Rock Grad	Jack	essure essure (g/ant)										_		<u> </u>		-				V **											
	Q ×	Diagonal Jack	orizontal A Iress Po kg/cm²) (1										-	-	-																	
1.65-	Ophiolite Apocity 200 in pacity 200 ton x	Jack	ack tssure g/am²) (1	0	7	74	767	0	0	7/	77	29	8	20	-																	-
- 50	Capacity	Vartical Jack	ertical tress Pr 9/cm²) (k	0	/	2	2	0	0	7	ري ا	7	7	7				-				-	-		 -							
callon	ication Jack C) am F	Vertical Jack Horizontal Jack Elapsed Stress Pressure (Stress Pressure (kg/cm²) (kg/cm²) (kg/cm²)	o	0	75	8	9/	22	200	32	3,6	3	42																		
Test Location DA-1.85-2	Geological Classification Vertical Jack C		E E																1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				The second second								The second second	
		<u> </u>		٠	-										_	*	4	-					-	-				_				

R. marks 1.88 32 1 28 8 2 1 28 8 1 2 3 1 10 /s 183-961 1/2026 22.24 15.345.37 (38.877) 184.22.69 2500 25/ Sigh 128/ Sigh 128/ Sigh 26.5697.8 1888/E 18.5.556 100 Jan 143.005 **0-**0 22.86 26 3/0/5 100,70 225 (x 10.3 mm) 50 80 Ś 29 20 òo í Ó 28 13 0 Z Ś ~ . BS-2 77 **(** Horizontal Displacement 2. F メガ ٠ 3 00 35 ړل ک 0/ ئ ئ 3 80 75 X 40 ₹3 13 25 B Ž, 43 ø 37 N ß ₹ 99 **(** 201 20 0 40 150 527 3 60 5.2 0 22 7 Á ى ķ Ó 1 ٥ Ġ 5 ઢ 6 Block No. 0 32 7 7 रु **(** 8 29 39 29 8 17/32 -2-62 24.465 -3.5-82 3+0 2/5/ (x 10'3 mm) 18 174 11 ì N 1 -25 23 25 250 ار. ا -27 n 8/-Ł 00 - 20 1/2 И 1 Ø Θ 4 2/1 Displacement 117 ٥, ا 0 1 -/2 7 7 0 I 12-5 13 70 11-1 0 42,441.5 138,025 377/--2/166.5 125/4 15.35.57 07/8/ 8-1 0+0 Measuring Point -28 -115 - 40 031 55-109/-'n -15 -22 252 0/-282 -100 - 76 -56 -45 -30 ? -25 -20 -12 -23 0/1 ر) ا 1/2 5 07-33 Vertical **⊚** 30/ -30 - 65 1 45 0/-- 20 0 124 1 Θ SHEAR TEST DATA SHEET (4) 20%0 1800 3110 136.0 0757 Frisontal Jack Siress Pressure (kg/on?)(kg/cn?) 0757 2020 2090 52.5%/ 1.4235 1560 1820 1219 1235 1380 3991 1650 1670 169.0 1280 1870 0861 2000 1520 1400 Sack Diogonal 23.08 20,56 27.30 12260 159 67 22.03 2434 24.65 16.69 2200 228 28.36 2897 130,03 30.33 306% 1800 3/32 2267 230 25 02 252 2563 28.66 1927 2/69 20,00 3200 25.93 25 37 3/.70 Vertical Jack | | Vertical Jack | | Siress | Pessure | Bqy/cm²) (kg/cm²) | ligh/cm²) | lig ÷ . ٠ * 2 Śζ Š N 15 3 33 4 4 3 Time 37 8 * Á Ó 07 z 7 3 ŧ, 7 • 82 × Ś 4.8 30 Ň 36 œ **200** -E-

اع ^م								-																											
10/cm²		Remarks															4 4 4 4 4 4															1.			
7		œ																			-														
z	10-3 mm)	<u>S~ @</u>	17.98	1986/361	100 mg	82,03.2	52,099	11.8 2027	45,25	705.20V	123.93	15/26/03	101/50	\setminus											\				\setminus				\setminus		
85-2	x)	0	23	'n		20	50	80	45		122	117	533								1. 38.	1								*					
	Displacement	0	35	47	5 5	25	28	36	36	351	144	125	07/1		.). *		7.7						À		3"			i A				4 H		A Tari	100
DA-1		<u> </u>	27	27	.23	32	97	2.5	5.5	125	106	239	1197						2/1					V.											
Block No.	Horizontai	9	ટ્ડ	/	B	22	35	80	67	87	124	123	789												11.0	3									
Bloc	m)	3+4	32432	12.46	124645	24.7.33	32.70	55.5%	-1858K-	1655/2	12,27	704.729	16017	\setminus		/				V.			\setminus	\setminus	\	\ .\	1						V	1	1
17.4 m	(x 10.3 mm)	(95 -		- 3 -	1,0/-	-135		-12]	8/-	-30	775 7															14								
7017		6	32	-29	-33	-39	-42	38	19/	18-	35	-33	-309						1 .									2 (s. 2 (s. 2 (s.							
	Displacement	0+©	2649 -	1000	5/0/2		٠ ا	15/19	128/22	(387)	18/8/	1000	125.20 S				\	\				\setminus		\	\setminus		1		\		$\overline{\ \ }$	Ì			
Madsuring Point	Verilcal	<u>)</u>	22 22	20	21-10	1 2	200	-55	-28 -		000	·	235		_\					: ::				. ::					\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \						
Magsur	Ver	Θ	- 22 -	-/5/	در	031	-30	- 30	57-	- 36	- 60	-53	-120					420										_							
T (S	Jack		- 96/2		2/7.0	. 1	- 4				23/0	100	1						_																
SHEET	Diagonal Jack	ress Pro o/cmP(kg	05,250	i i	L							7550														-									
DATA	Jock D	ck to Starte Starte	29						0 1/2		3 14	``	1,						-															2000 2000 2000 2000 2000 2000 2000 200	
TEST	Verrical J	rtical Jo ress Fre //cm²) (kg	7	`	,	,,	"	·	~	×	"	`	1						-							-		\ \ \ \ \		-	7		対の対象の対象	\$3.50 KB	
SHEAR TEST DATA	Time Ve	Express Pressure Stress Pressure (Stress Pressure (Kg/cm²) (kg/cm²) (kg/cm²)	28	\$2	32	36	65	57	87	52	32	8	200	-	-		-	<u> </u>	_						1		1					7.2. 		-48.1	
ROCK	F	Tim•						:																									38		

ROCK SHEAR TEST DATA SHEET (1)

Zu Zu .																														-
8 kg/cm² 3500 cm²		arks					: 1		The Mark the State of								:			.								1. 1.		
2 4 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Remarks		the state of the										:																
3 <u>8777</u> 8	ê	@	10	0	0	0	10	0	0	25	200	150	15.0	150	130												_			_
- V() \ ()	(x 10 5 mm)	(<u>5~@</u>	0	0	0	0		0	0	10505	0	00	0	00	0								_	-				2		
Block No.		(0)					_	0		_	0	_	_	,						-										
88 88	i spiace:	(C)	7	0	0	0	9		0	7	-	9	0	7	0															
8-77-1988 ameter 62525 cm	Horizontal Displacement	9	0	0	9	0		0	0	9	0	9		0	0															
Diamei Imeter	Horiz	(9)	0	0	0	0	0	0	0	0	0	0	0	0	Č															
easure 1 by Ram Ram Die	(m)	⊕+@ 2	0	0-0	15/57	37-0	950	0/0	12/	25.30	15.20	5.4.5	130	13/6	27.0															
Measured by Staycon Raycon Raycon Raycon Raycon Gy/con Raycon Gy/con Raycon Bloom Raycon Raycon Bloom Raycon Rayco	(x10-3 mm)	<u></u> ⊕	0	0		0	7	0	2	1	1	2 /	3	2	0													 		-
7 69	ant		0	0	7	0	0	0	S	0	0		0	0	0															-
7 <i>D 18.6mc</i> Max Oll Pressure Oll Pressure	Displacement	<u>(</u>	0/	<u></u>	25/	25	a's	2.5	3	0	3,5	34	7	10	9				-					-			_	-	_	H
2 / 5 - 011 Pr		9	0	1	3/	9	3/	9	35	d	3/	7	3	3										_			_	<u> </u> 	_	-
Max	Vertical	0	<u>``</u>	2	2	0	3	0	7	0	2	7	N	0	0											_			_	ļ
പ്രത്ത്	The second second	Θ	0	ζ.	`	0		0	/	0	1	0	s)	9	0							_		_		 				L
sasuring tock G x /	Jack	bock Pressure (kg/am ²)									· ·																			
<u>J</u> Measur Z Rock 2 bon x bon x 2 u	Diagonal Jack	Horizona Jock Stress Pressure (kg/cm²) (kg/am²)																												
. 85- 10/24 200-1	A CA	ock essure 9/cm²) (0	2	7/	716	0	0	71/	17	29	9,6	3	3	6.3															
2A-1 Sp. L op acity	Verrical Jack	Elapsed Stress Pressure (xg/cm²) (tay/cm²)	0	`	7	2	0	0	2	<u>س</u>	7	ر ہ	79	8	8									<u> </u>				T		1
arios carios Sack C tack C	>	≯ 0 %	0	0	7	80	9/	20	28	73	350	70	77	3	25				-					 	T	 	1		+	1
Test Location <u>2A-1, BS-3</u> Measuring Geological Classification <u>Self.of Le</u> Rock Gra Vertical Jack Capacity <u>200 Nn x /</u> Diagonal Jack Capacity <u>200 Nn x /</u>	The second section of the second section of the second section of the second section s				-			-		-			<u> </u>	-	-	-		-	-		-			1			1	1		4

re_																								And the second second					in the same					
×9/cm ²	****	Remorks																									3	1. 27. 11. 12. 14. 14. 14. 14. 14. 14. 14. 14. 14. 14						
. 9		æ																				The second secon				1900 2000 1000 1000 1000 1000 1000 1000								
Z	10-3mm)	<u>6-6</u>	8000	0/20	180	8.0.0	300		9.67	1 1 TE	1.8%	0.0	199	6.8.31	8250	26 96	10,50	1.01.19	677	1.3.42	1227	2.204	12/2	115.22.7	2.20	25.5	0.8 263	82.2	1288	0,3.296	1.8019	2.05	1.5/3/2	1388
85-3	ت	@	/ =	0	0	0	0	7	/	7	0	7		W	0	\	0	2	2	7	#	'n	0	٦	'n		0	Ç)	0				2)	71
	Displacement	©	0	0	0	0	0	2	0	2	٥	\	0	3	c	1	/	'n	0	1	ħ	1	7		/	0	7	0	, I make	/	7	2	7	77
DA-1		9	0	0	0	0	0	0	0	0	7	0	2	0	2		1	7	7	. چ	2	2	2	N	ي	,	1	100	2	1	n	رة	*	7
Block No.	Hori zontal	ම	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	9	2	0	7	7		0	7	7	0	0	0		22
Blo	mm)	@+@ 2	27.5	850	80	0	01	10	8-0	2850	198	8.50	610	3650	360	11.5%	100	15.25	500	1.5.14	2.74	13/0	175	15/	25.50	0.75	2.155	25.0	0.15	0.55	\$370	25.0	0 185	55/10
.6 m	(x 10 3 mm)	•	0	1	0	0	0	C	0	7	7	1	d	1	0	~	0	2	0	3	0	0	2	0	0	ò	0	0	0	0	0	0	0	0
TD 18.6	ement	©	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	4	0
nt	Dis placement	0+0 2	10/0	3050	1.512	2/3	12/0	6/2	25,5%	12/0	27.5	0,25		225	2,00	10/2/2	05/15	13/1/2	0/1.5	150	120	100	0:0	1250	200	15.00	1.3	02	15.5%	45%	-1.3	21.5	30-1-	3/1/2
Macsuring Point	Verfical	<u>(</u>	0	,	2 /	0	0	0	0	0	0	1	0		27.5	0	. 3	0	1	= /=[0)-	0	\ \ -	0	~	/-	9	2-	7-	/-	1	Z -	- 2
~	\ \	Θ	0	0	7	0	0	9	/	0	9		9	0	1	0	2		,	0	0	- /	0	0	0	_/_	/-	C	. / -	/~	\mathcal{I}	2	0	1
T (2	Jack	lack ressure (q/cm²)	2.25	4.5	65	8.75	11.0	13.25	15.50	175	19.75	22.0	24.25	26.5	28.5	30.75	33.0	36.38	375	39.5	41.25	0 33	21.90	48.5	50.5	57.25	55.0	55.42	2,65	5//9	30.03	66.0	26,25	70,5
SHEET	Diagonal Jack	Harizandi Jack Stress Pressure (kg/amP)(kq/cm²)	0.34	69.0	0.99	1.33	1.67	70.2	2,35	2.65	3.00	3.34	3,68	4.02	4,32	4.66	\$ 00	5.35	5.69	599	6.33	6.67	70%	2.36	7.66	8.00	18.3	89.8	9.02	233	296	10.01	25.01	1989
SHEAR TEST DATA	Jack	Jack Pessure kg/cm²)	43	7	,"	,	7	*		7	,		Ţ				, ,	*	. "	. "	"	,	**	"	7/	"	7	4			4	11 20 11 11 12 12 12 12 12 12 12 12 12 12 12		,
R TES'	Verrical	/errical 51ress Xg/cm²)(9	1		"	7	1	7/	4	ų.	4	7	, ,	¥	,	٥	,,	, ,	"	ľ	, ,	-	"	"	7	*	7			1 Mary State of			1
	F	Elapsed Stress (Ressure (Ag/cm²)(kg/cm²)	0	4	8	77	91	20	772	82	Şδ	36	00	77	87	52	35	8:	7	8	7/	77	20	77	82	20	90	3	77.75	8%	52	5.5	2:00	#
ROCK		Time																					3 3											

 		Vertical Jack	Diag	Diogonal Jack		Vertical	Displacement		(x 10.3 mm)	î	Horizon	tal Disp	Horizontal Displacement (x 10-3 mm)	P: (x 10	3 mm)
e E		Vertical Jack Stress Jack Stress Ressure Stress Ressure Racking (1995) (20/007) (20/007)	Sires Sires	nd Jack is Pressure	Θ	@	<u>0+0</u>	6	@	@+@	စ	<u> </u>	<u>6</u>	@	@ •
	8	<i>(3) 9</i>	3 11.00	0 72.5	2	2 -	25.35	0	0	2.8.5		ν'n	0	0	1.5 10.4
			11.34			لبا	3.3%	0		14.0		3	2		23.67
	9/			\$ 77.0	J		10.2	0		12.50	7	7	0	3	188/2
	20			1 1	5-		3.43	0	0	0.20	÷	'n	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1.5	1.8.30,3
***			. 1	578 9	٠ ا		25.25	0		331.0	7) h	0	7 6	135.86
	28	1 1	175	6 23.5			37-52	0		5340	7	Z	7	7	3500
	32	9			_	5-	12-12	•	0	33.0	7	٠	0		33.609
	36	7 7			- 3	- 2	375.35	0	0	2.75	\$	ک	0	2	3.639
	40	7	_	- 1		<u> </u>	362-5	0	0	33/0	8	.2	/3	0/	8.32.2
	44	"					3835	0		\$37.0	. 8	3	\$	ک	5.3 75
	84			3 96 51		-7	508.35	0	_	2.55.5	6	ŕ	7	8	53.25
	52			56 96 29.01		-	2.05	0		2.75F	75	<i>ħ/</i>	1.3		200
	25	11	~	0.66 1/0	-12	\$-	32/	9	0	25.0	7	S	0	6	\$\frac{1}{2}
	3.30	7 4 4		9/0/ 52	9-		8-12	0	0	2.5%	8	9	20	9	10,065
	3	1	15.70		- 7	-	5253	0	0	12 P	9	6	ţ	72	11/4/2
	8	" "	16.00		2/-		100	0	9	5370	8	67	20	18	163,000
	/2	" "	16.34			3-	3/3	0	0	15.5	2	74	\$	80	6,500
	2/	" "			3.4		100	0		5-5-0	6	\$7	\$7	7	905/
	20	2.1.2		24 112.25	6-		Since S		-	2755	12	10/	20	1	45 NE
	28	*		37 1165	11-		\$ 11.5	0	0	43/2	3	6	7	2	50,709
	\$7	2		5911 /		3/-	12/2/2	9	9	63/0	90	7	7/2	0/	12/2/
	32	, ,		17/185	- 7	-3	12/2	0	0	2310	74	7/	6	۶ //	16385
	3%	0 1				-/7	24.46.3	0			5-2	6	7/	19 2	25.3.25
	40					5-	200	0	0	4317	11	7	Ś	-	w.
[777		196 81				10,72	0		35.0	7	13	9/	Ŷ	9.237
	6.3		_		<u> </u>		36%	0		\$31.6	n	٥	37	151	5/32/01
<u> </u>	\$ 2.2	-	1966			L	13.00.51	0		531-0	9.	19	15		5,625
Γ	35	*		0 (2) 2	•		17.27	2-	0	34/1	29	15	80/	15 2	283.2896
	00.7	_		36 363	1	١	100	٥	0	24.5	252	\$	12	20 /	8,30%
	3	_	28 70	2 767 01	1		15.25	2	- 0	2547	7/	31	20		4,426.41
	a			296/10	<u> </u>	L.,		1		1/2/	υ× Λ	^	ſ	1	1
4			•			,	١				,		_		Cine

kg/cm²		•																gaveg cases to			Sample and the second	Andrews on the contract of		and software the contract theory	The second secon	San	the fact of the contract of th	Allegare managements of the second second	es de la completa de parece		and a great great and a second			And the second s	
\S		Remarks																A section of the sect	A commence of the commence of		September 1988 19		distance of the state of	per men manager to the company	e e e de la compania	Committee of the Property of the Control of the Con	design of the second	The same of the sa	and the complete of the complete of the		A commence of the contraction of the	with the		and the second s	
Z	10-3 mm)	@~@ 4	3000	2000	8/2/2/2	24.3.4.89	388	20802	218 322	8745 42	8995	18.500.53	8995/re	16.3 (1	23 346.	6692917	12.0849	213262	113408	32 3495	25.575	15.8.3908	8018 00	25.563	138 801	108 Kin	100.500	12,003	18.46.60	203083	188861	12 300/3	25,043	1348	
S S	ے	@	25	22	72	E	7	19	26	ېې	/8	36	20	/8	28	25	20	25	0,	Ş	20	20	33	20	22	30	22	30	00	31	24	8/	3	22	
1. 85	Displacement	6	24	8/	7.2	23	77	9/	20	6/	2/	01	7.7	1,5	9/	61	13	. 23	7	10	22	/3	10	20	ሳን	23	45	Ø	10	14	91	7	18	19	
DA	ntal Dis	@	7/2	4/	31	12/	151	15	25	22	77	カノ	15/	//	23	11	シャ	27	//	10	29	20	0/	30		40	70	7	2	12	82	37	2/	14	19 of 18
Block No.	Horizontal	9	3.5	12	22	3,2	63	33	16	40	77	9/	27	77	25	25	20	10	20	37	37	0/	27	2€	2.9	20	32	37	26	19	3/	71	2/-	44	
Bloo	mm)	@+@ 2	420	100	2	27561	-6-185	1.520	05-01-	2,50.2.2	12/25	School	525-7-	2-55-5	12.56	309-57	3-63.5	35-5%	36-11	30500	76.35	135.25-	36.55	36.0	2,05	5/1/20	12.57	1-160	350181/-	1555/2/-	3/1/2	1437-1	79.754	2,005	
2 m	x 10 ⁻³	@	_ / [- 2	カー	-101-	- 12	ی	ر ح	٠ ١	0/-	ری .	ان	8	. 2	ج) -	ે કે ~	2-	-/2	-10	- 2	ئى -	0	00	, 6 -	- 2	- 9	£ -	2/-	- 2	٠,	01-	-2	
D. 18	ment (1	0	Q	0	-73	0	0	-/2	0	0	45	٠	0/-	- 3	- 2	- 2	0	7/-	٠.	/-	0	0	0	9-	7-	-42	ا ئ	Ó	- \$ -	\$ ÷	\$-	-10	8	
	Displacement	2	9/6			1/28	\$ 500/3	72.75	12.0	3/20/2	-22-6564	245-47	613-02-	18	12.509	8657	32.6	263.8	2651	30-08/	1000	2.760	1225	125.5	12.55.88	766 9	25.50.75	128.85	2.86k.	-29.884.5	10571	SWEEKS.	13.25	1503	
Measuring Point	ariical (<u> </u>	2/8/-	-15	-18 22	-18 -22	-23 -	- 22 45	1/8/-	-20 -	-20 -2	- 427-	-16 -	J7 14	-20 7	-21 7	-19 78	-16 12	7/4		-12/-	-2/2	-2/	-20 7	1 3/-	-18		-28-	-/3 5	-/\$/-	-/3 7	16-	2 3/-		
Measur	Ver	Θ	-18	-25	-27	-33	-30	-27	-23.	-20	72	-24	-22	-25	81-	-/2	-17	- 20	- 20.	んりん	- 23	-/2	-23	-/2	-10	36-	- 28	-28	-25	-25	-20	-20	-22	-23	
(/ /	Jack		143.0	124,25	147.5	560	6.75	0 05%	0.551	0.857	2091		0.591	167.0	0.697	0///	1/3.5	0'961	178.0	130.0	0(8/	184.5	187.0	0.681	19/6/	0.86/	5.781	0861	11.50	0,000	20%0	5 fcc	0 601	211.0	
SHEE.	Diagonal	ress Pre	1/69/1																						لنا					₹ 300€			-		
DATA	Jack DI	Vertical Jack Exizanal Jack Siress Pessure Siress Pressure kg/cm²) (kg/cm²) (kg/cm²) (kg/cm²)	43	-	"	Н	7	, 2	,	, ,	1/2			,	7	< "	~ "	?	4		7 /2		"			7		100	, ,,			?	1	3	
TEST	Vertical Jo	11cal Ja 1855 Pe 1cm²) (kg	9		,	,,,			- "	*	,	- «	_		- 3	,	,		,		- "			,				S. Commercial Section 1985				20 20 5 20 20			
SHEAR	Time Ver	779	9/	20	24	28	32	90	0%	777	877	\$2	3.5	5:00	3	υg	2/	9/	20	44	28	32	96	3	34	8	25	98	00:9	3	90	-	9/	20	
ROCK S	F	Time En												\$									Section of the sectio									200			

	Î	Vertical Jack		Diogona	Ologonal Jack	>	Verited	Displacement		(x 10 ⁻³ mm)	(mm)	Horiz	intat Di	Horizonial Displacement	1.15	(x 16-3 mm)	
e E	Eldpsed	Vertical Stress &q/cm²)	Jock Pressure (teyton?)	Vertical Jack triumia Stress Pessure Stress 04/cm²) (te/cm²) (te/cm²)	Passure Passure Pay/cord	Θ	@	<u>O+@</u>	@	•	3+(a)	ඉ	9	Θ	1 (40)	@-@	Remarks
	77	9	33	32,38	2/3,0	-32	-2/	2580	6-	-13	26/3/1	3	77	22	33	31017	
	28	7	7	32.67	0512	-12	4	066.00	6-	} \$	66-1-	76	12	77	20	15.60,	
	92	<i>(</i> ,		7,6	-	-75	//-	1000	-6	5	\$2.204	51	81	22	25	2011	
	36			33.37	220.0		"-		7/-	-10	3/20	48	17	11	90	29.46.0	The second secon
	OT)	4		33,67	222.0	-/3	//-	- 10 KB	-/2	0/-	-11,226	~	7	0,	0	1811	
	70		"	33.97	224.0	2	7/-	0501	7/-	-10	11.23	377	7	7	14	180	
	8		V	87 X			6-	1/2	2/2	- 7	-1/2 MS	1	3/	2	22	17.8.19	The Mark of the Common work
	ک	14	"	32,66	_	À	-10	1909		9/-	130	80	1	9/	3		
. : 1	25	1.00		35.03		Ź	<i>M</i> -	15/1/2	6-	//-	14201-	3.6	7	6	30		The second of the second
	2:00	4	"	38:38		<i>8/-</i>	-15	0511-	6-	11-	12201-	177	7	4	37	28/262	
	7	4	"	35.6%		-23	0/-	in single	11-	-73	396	34	9	X	3	100	
	8	11	"	36.38		-70		1000	-5	6-	-2.303	18	7	ş	37	22.000	the state of the s
	12	,	11	36,32	239,5	-20	χr-	1189	-7	9/-	10/12-8-	39	\$	87	61	16252	
	9/	1	"	X,52	241.0	-24	-D	16005	6	-/3	2116-11-	37	7	EY	37	27 1895	
	20	,	"	37.01	244.0	-3/	71-	\000 \000 \000 \000 \000 \000 \000 \00	6/-	1.	33.6	97	32	11	3	188	
	24	"	"	15.76	N60	47	,	37.75	-75	I 🔪	100	99	^	¥	801	5.88 JAS	
	28	Ň	11	32.61	2680	\$	37-	300	-20	احا	1-36-67	136	8	77	011	101/99	the district of the second
	32	ì	77	32.99	3505	-%	-25	13605-	9/-	00/-	58425	133	9	20	571	76.500	
	36	*	W.	38.37	LI		-20	N 7	6-	-38		107	53	ځې	100	57646	
	9	,	*	19.85		-8/	Ø	130/25-	5-	-72	155.	: 163	37	135	180	1288	
	44	,	,	30.00		-87	72-	100	/-	901-	300	183	5.5	143	155	3/	
	4.8	ï	"	39,24	0.632	-40	-25	300	7/-	-44	565	130	33	22	110	76	
	S	*	*	39.66		-70	3/-	3/20/2	-/7	-30	53	101	22	37	077	16	
	5.6	"	*	40.04	164.0	-28	77	17.7	5-	-43	25.87	681	7.2	بخ	100	18 5.23	
	8.80	,	*	40,34	266.0	-42	-23	1. July 1	6-	5.	18956	501	5.5	3%		138.25	
	7	"	"	40, 65		-30	-17	-2505F	-7		521431-	250	25	26		100	
	8	Š	2	40.25	170.0	-30	<i>b</i> /-	2000	-/3	15	2.2.16	3.2	31	43	25	60:3009	
	77	,	4	41,33	272.5	-43	36-		/-	- · · · ·	3772	1.6	21	25	103	3/18/3/19	
	/2/	· ·	"	41.21	-		-/8	600	7-	-25	25.5	109	22	32	80	200	
	20	*	"	40.01		-35	-10		20	-6.7		77	282	35	5/1	30863	
	2		,	7. 9	000	<u>د</u> د	1	1/2/2	· .	L	7	1		•		/	
		•		į	-			1,000	7-	2/	-823.	35	23	18	13	200	

			a araine						Ĭ																			3 10			*	Ì			: -
16,cm2		Remarks											and the state of									The second companies of the second control o		A Comment of the second	en elektronische seine seine eine eine eine eine eine e	the second control of			A STANDARD S			A STATE OF THE STA			
9		æ														1.			A service of the serv		The second second														
æ	10-3 mm 1	<u>5~ (8)</u>	10000	18.50	13:50	55 28 Fee	1362	Mary's	1.80/8/	125.18	13.02.00	# 53.55 F	1.5500	185.597	Resolution	40.8423	Marso	300	Selection of the select	68030	815.00	1457549	12,5667	86.77.3	178.95%	18087	(30	153,000	1000	1525 468	10/2/2	20/2/07	1200	100	[
BS-3		9	601	60	80	20)	121	. 94	80	65	B	13	Ŝ	67	2.6	97	3	36	25	57	92	4.5	72	101	11	75	125	20	112	101	391	211		196	Ħ
	lacemen	0	148	191	ا ج ج	3.9	74	45	001	43	29	.ဇွ	98	29	3/	32	95	30	3	35	\ \ \	5.5	27	33	1/9	72	74	110	153	161	235	238	75	1-516	3)
DA.	Flort zontal Displacement	9	25	20	20	2/	350	2	20	28	な	80,73	33	23	82	32	77	29	70	33	32	69	52	123	70	96	28	86	163	961	162	28/	263	528	
No.	Hortzon	ම	139	701	79	59	3.6	3/	~	2.5	1/	57	23	9.5	25	53	19	43	00	25	113	166	127	126	9//	135	787	193	132	123	1961	341	7/20	613	
Block	(mzu)	3+6	200	13005	7.5465	86.65	920/34	050/2/2	-26 £ 086	1011	Con	35.111.5	10,00	1.	-27/42	15.11.	1000	3-1180	145.75	3,1875	17.345	12.25	125.25	12/2	100/2	17,320	25/25	13,578.F	47,145	27,000	22/2/2	25/27		19,5	
.6 m	(x 10-3 m	(E)	20 5	75/ 282	E 98-	-33	7,7%	355	2/ 2	. 18.	0	7 6 -	2	8		~ 0/-	- S	7	-12	11	-/2	55-	78 7	77	- 22	-72	122	-43:	75-	977-	8/-	147 7	36	-128	
TD. 18.		@	5	-25	_	-30	- 42	-33	32	0/	0	9 -	-72	11	8	27	'n	7 7	-7.2	-15	7	4.2	2/	8/	97.	77	-3/	22	-52	85~	9%-	701	-85	/8/	
į	Displacement		35.579			150	185	2000	7	2098	100	2% 5135	١.		2827895	10725	12.00	122	188	- 5	305/200	£39F	3/	17.7%	18/18/	42:Full	13	5.00.5	15 m		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	2.00K	100	Stary !	
g Point		<u> </u>	-25 32	-15 -25	18 2	22 - 22	5/2/	33. <u>E</u> /	35	-20 4	3/2	30 24	7-12	23	2 2	26 -29	27 5	13	~ Z	10	25.	60	10 1	-4/3	-35	4- 64	-55	-83 -85	- 4 148	-82 -8	18-	12/ 12/-	7 7/1-	-167	5.50 J. E.
Measuring Point	Vertical	Θ	. 33	-35	22	-32 -	-43	-36-	90	30	22	1 67	2/	- 8/	- 5/-	-32 -	27 -	- 57	72	- 25	35	- 3%	-38	1/2	- 28 -	-5/	- 99-	-88 -	-92	- /6-	-88	_	-125		
(8)	Jack		٦		0				5	0	0	343.25	5	- د		. 1	314,25	5	<u>ر</u>	-	0	22.26	- 4	\$:	33.0	0 7	47	1		Ĵ	9450		1.		
SHEET	Diagonal Ja		2,882, 00	0 2855				1 294.5	27 296	366	30/	79 30	3 305 5						3/8/8 15	15							336	238E 70				5267 34	1083	35 16.52	
DATA S			3 43,00			86 77	46.32									47.32		48.00		1	48	49.33	1964				00/5	10/25	19/5 "	86/5	2.5	.S.	ঞ		
TEST DA	1 Jack	Vertical Jack Stress Ressure kg/cm²)(kg/cm²)	43		*	,	"		,	"	″	"	"	-		6	\(\tag{ }		, l	//	1	,	,	,	/ ·	-			a de						
AR TE	Verrical	Vertical Stress (kg/cm²)	-					1	~	٠ ٧	,	*		*	*	1	*	"	7	7	7		4	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2	7		4				3	7	,,	
SHEAR	į.	Etapsed	32	36	60	777	63	\$2	35	8:00	7	8	2/	, ,	20	757	28	56	96	3	77	3	25	75	00,01	7	8	12	9/	-		28	32	96	
ROCK		T In .																:								200					da kipi selen i				

ROCK SHEAR TEST DATA SHEET (1)

10000	Geological	aclocical Contract	Cohistite	1	Rock Grade	rount ade				Measured by	Medsured by	7		1			
ersick lagon	S Sect.	Vertical Jack Capacity 200 ton x / Diagonal Jack Capacity 200 ton x 2 units	2 287 287	8 ro	x / Z units	ង .	Max. O	units, Max. Oil Pressure 3263 kg/cm. Max. Oil Pressure 70/.7 kg/cm2	_	3963 kg/cm²	N I	Ram Diameter \$25.35 cm Ram Diameter \$1905 cm	1.925.35	5	次次	%	4 = 3600 cm ² 9 = 16.7 •
	J	Vertical	Jack	Diagonal	Jack	>	Vertical	Displacement	ement	(x10 3 mm)	(mm	Horizo	ntol Di	Horizontal Displacement		(x 10 3 mm)	
TIM.	Elapsed	Stress (kg/cm²)	Vertical Jack Horizana Jack Stress Pressure Stress Pressure (kg/cm²) (kg/cm²) (kg/cm²)	Horizona Siress (kg/cm?)	Sock Pressure (kg/on?)	Θ		0+@	©	•	<u>@+@</u>	9	9	Θ	8	<u>6-8</u>	Remarks
	0	0	0			0	0	0	0	0	0	0	0	0	0	0	
	0		2			V	0	00	0	0	00	0	0	0	0	0	a Mangagora Andrea Andrea Cartino (1987) in 1888 and
	3	2	7/7			/	7	11	9	0	00	0	0	0	9	9	
	ď		14			0	0	j	0	0	0	0	0	0	0	0	
	9/		0		11 1	0	0	10	0	0	9	0	0	0	0	0	
	20		0			0	0	10	0	0	0	0	9	0	0	0	
	28	2	7/7			0	0	4	0	0	0	0	0	0	0	0	
	32	71 1	2/			Z	2	23	Ċ.	0	15.20	0	0	0	0	0	
	35		29			\		15/2/	\$	0	1.5%	0	0	0	0	9	
	40		*			2	_	27.5	2	7	50 51	0	0	0	0	0	
	77		23			2	/	1837	7	0	250	0	0	0	0	9	
	3		6			2	7	3/0/	7	0	20 20	0	0	0	0	0	1.10
	55	00	C			۶	/	3/2	0	0	0/2/2	0	1	2	0	80	
	5.5	_	*				0	32/50	0	0	240	0	9	7	0	1	
	; 8		*			0	0	22/0	0	0	150	0	0	0	0	17	
		_											:				
	_																
	_																
			_														
			-														
	1	-															
	_		_														
	_	-		_												Ì	
	_																
		-											Ì				
	<u> </u>	-		_					1 (a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c								
	_	-		-													

8 kg/cm²		Remorks																		the standing of the second of the second of	And the second of the second o	and the second second with the second se	and the second of the second o			and the second s	A THE COURT OF THE PARTY OF THE	And the state of t	And the second of the second o	And the second s		Service of the servic	The second secon	
×	10-3 mm)	<u> </u>	1110	11/0	111/0	0/1	0 (1)	11/2	11/0	177	111/0	17/0	0	1	0/	110	011	31/20	28.44	3.2	18 87	15,10,2			18.66	· 1 I	- 1	2 20.6	62:27	13 26.7	1,8 26	2 28	12/2/201	63.00
BS-4	Š	<u>)</u>	0	٥	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	9	0	0
1,85	Displocement	(e)	0	٥	0	0	0	0	0	0		0	0	0	0	0	0	0	٥	~	7	ኅ	7	2	2	4	3	n	7	×	2	*	7	1.
-Ha	ital Dis	@	0	9	0	0	0	0	0	0	0	0	0	0	0	9	O	2	//	07	'n	ኍ	٤	3	5	3	3	5	\$	5	4	3	1	0
No.	Horizontal	ම	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0
Block	man)	3+6 2	12/0	6/3	0 45	270	10 8/1	245	part	200	0.5.50	00	0	0		2830	0/	850-	6	30,50	300	1850	50.00	96 37	00	10121	1150	00	0/0	0/11	0	10	The	011
0	(x 10°3 n	(a)	0	0	0	0	9	0	0	0	7	7-	/-	7	7-) /-	7	- 2	7	1	1/2	. 2	2	3	7	Ö	Ō	0	0	o,	0	0	0	0
20.00		1	0	0	0	0	0	0	0	9	Z	7	7	7		2	7	/	Ν	7	7		7	7	7	*		0	0	0	0	0	9	0
7	Displacement	- 1	1000	157	9.25	P.12.7	0,25	133/		14	10	28,20	12 21	25.20	22 22	22.0	95.25	25.25	25.30	23.5	25.5	12.20	40	4/0	10	17/0	17.	25.35	1736) (3)	122	2/2/20	25.21	3020
Magsuring Point	Verticat	<u></u>	0	7		-	2	0		50/	2	_ 1	3		/ 8	0	, ,	0 /	7	0	0	1	0	0		0	0	0	0	0	0 3	0	2	0
) Magsur	Ver	Θ	0	0	0	0	0	7	2	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	/-]/-	0	7 =	1	7	 -
T (2	Jack	ck ssure /cm²)	2.25	45	65	8.75	7077	13.25	15:50	17.5	22.67	220	2425	26.5	28.5	<u>१</u> ८०१	33.0	35.25	375	39.5	4/25	977	46,25	48.5	505	52.25	550	\$7.25	365	5//8	43,25	099	58.25	2005
SHEET	Diagonal Jack	Horlmond Jack Stress Pressure (kg/cm?)(kg/cm?)	0.34 2			66.1	7.67	2.07	2.35	2.65	3.00	3.34	3.68	402		79%	5,00				8,33		101	236	2,66	800	3,34	8 68	902	7,33	2.67	10.01	10.35	10.69
DATA	Jack C	ock essure S g/cm²) (V	57 1	7	,"	, "	1	7	7	, "	,	0	- 6	,	- V	, ,	"		Н	7	7	"	"	1	"	7			*	100		10 m	6	1
SHEAR TEST	Veritcai J	Vertical Jack Halamad Jack Stress Passure Stress Passure 89/cm²] (kg/cm²) (kg/cm²)	8	"	, ,	,,	,	,	, ,	"		0	- 1		*		- "	``	, ,	,		•	1	,	//	100	4		1		***	1	1	•
SHEAF	Ž,	70	0	75	8	12	97	20	77	28	32	36	Ø	カカ	877	\$2	25	90. 1	7	8	12	9/	92	<i>ħ</i> Z	28	32	8	9	57	87	\$2	5.8	2:00	7
ROCK		Time																												A Company of the Comment				

											-					ĺ
	7	erited	Verrical Jack	Diagons	il Jack		Vertical		Displacement	(x 10°3	3 mm)	Hori	1 pay of 1	lsp locer	ment (Horizonial Displacement (x 10.3 mm)
E	Ebpsed Stress (Pessure (kg/cm²)	ress ress q/cm²)	Jack Pressure kg/cm ²)	Stress Pessure (kg/cm2)(kg/cm2)	Jock Pressure (trg/cm²)	Θ	0	9	@	⊕	3+4		9	0	0	<u>@</u> -₩
	8	ď	57	11.00	72.5	0	0	205	0	0	0	0	9	0		26.000
	12		1	7611			0	_	7.2	0	9	0		1,1		19800
	91	"		89//	27.0	6	0	_	0	0	0	٥		_	_	1
	20		11	1202	- 1	0	0	500		0	110	0	2) (A) (A) (A) (A) (A) (A) (A) (A) (A) (A			3/
	47		0	9571		Ġ	0	2020	-	0	110	•		10.0		3)
7.00	28	77	1	12.66		_ 2	0	7	0	0	110	0	7	1		 -
	32	1	77	130/		7	0	9/		0	110	0				<u>~</u> /
<i>j</i> ,	96	"	"	13.35	880	1	0	31.75	0	۵	11/6	9		3		25.003
	3		1	1369	- 1	7 -	0	1.12	0	0	110	7	9	ή		200
	22	,	,,	1403	526	3	0	45.65	1	0	210	*		2		28.06
	83	"	, ,	66.4/	945	1	0	-3,34	/ =	0	56 30	9	1	7	/	1884
	5.5	, ,	"	19:67		_ 3	0	36.36	_ 2	£ -	15.5.	ک	4	9	2	
	9.9	,,,	"	10.81	066	1	0	11/1	/-	,	3/2	9	45		3	7/
	3:00	"	"	98-31	52/0/	2	0	21/2	/	9 -	37.22	Ŷ	*		7	Ψ
	7	1,1	1		103,5	_ 2	0	7.9	/-	/-	2.0.	'n	8	· .		3/
	∞	"	,	00 91	2501	1	0	28.50	/-	/~	1-105	~	*	2		~3
	7.2	,,,	"		54201		0	2.35		0	13/	3	45	^,		\$
	9/	"	1			٠ ع	0	1.5%) -	0	21.50	N	*	7		
	70	"	"	1202		1	0	17.7	0	0	27.0	ሳን	7	7		8/
	×z	7	,	1232		ي.	0	-15 25	0	0	21/20	٨	3	. 45		
	28	"	11	12.62		2	0	1.55	7	/-	511:0		×	ک	0	
	32	1	"	12.97		7 7	٥	200	,	/ -	27-0	'n	2	ę	1	2,2 875
	36	"	11	28.35	- 1	- 2	3	20 20-	/	0	1.50	3		7	~	2.2.86
	3	""	,	18,65	1	_ /	- 2	1-54	/	/-	170	^	^	*>	'n	28/2
	77	//	10	9681		1 1	*	2-1-	/	٥	20-20	900	3	ч	77	6.30%
	87	*		19.34			/-	50-37	0	0	201	1	4	N	7	12/0/
	52	1	- 3	2761		1	1	. v	`	1-	20-05	n	3	~	ď	1/2
	9,9	;	*	20.02	٠.	7-2	7.7	/	/	7	200	8	ن	'n	^	છ∖
	8.8	*	,	20.36		J	/-		1	0	0.50	1	7	2	א	1/1/20
	3	-	,	02,02		- 2	- 2	300-2-	0	0	00	7	0/	ۍ	9	2081
	80	\	*	1017		1	- 2	21.25	1	0	205	ላን	*	\$	٥٠	13.5
					. 2											1

ę	m eth-col ^{-x}																										A COLUMN TO A COLU							200	
14./cm²		Remarks																	A Company of the								and the second		The second section of the sect			10 Sec. 17 Mg		A Section of the second	
90	-	Re																											Market Commercial Comm	And the second second					
*	10-2 mm)	®~@ 4	4. 14.40	1503	825,627	13.5 1762	72,835	113.04	3:8 2036	8.3.4.9	135.34	28.21.5	8 295	4 28/	2.4.75	1738	72.25	645726	30 I	9 29.34	9 3624	800 9	10011	12325	7.8.36	000 00/ 00/	12 306	8.556	16891	8 5276	8.586	1395	12/2/	10,000	
125-4	*)	() /	9 -	7	15	J)	8	7	Ŋ	B	ک	lγ	9	7	12	ۍ	ક	ş	6	7	7	7	37	2	4	7	S	7	10	3	7	3	6	
2/2	Disp lacement	0	2	11	0/	07	7	0/	70	2/	S	9	o,	0	٥	6	8	80	27	/2	\$	7	//	9/	*	6	æ	9/	/2	8	4/	9	9	91	
ĐA.		9	2	74	9	61	72/	//	9/	S	\$	7	80	9	//	77	/2/	9	12	12	//	1//	181	6	77	7	- 6	11	7	8	/3	9/	9	76	
Block No.	Horizontal	<u></u>	*	ۍ	2/	70	7	20	ζ,	//	\$	7	9	7.7	/2	/2	7	7	3/	9	5/	2	3	3	٠ جي	S	7	2	٤		7	6	70	6	
Bloc	mm)	3+@	07.50	12/2	137	350	0/	4/0	2	2/0	/2	20	20	20	2	20	12/0	30	17/0	200	170	N	20	/2	14	2-0	20	1 0	2.0	120	0/	2/0	M	0	
20.00	(x 10 ⁻³ m	<u>⊚</u>	0	0	0	0	9	0	0	0	0		-	0	0	0	0	0	0		0	0	2	0	0	0	0	0	0	0	0	0	8	2	
0 20		<u> </u>	7	7	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	O	0	0	0	0	0	
	Displacement	0+©	8/3/2	12	15.5.	13/	138	13.7	15.5	\se	35-35	3.55	188	19	\$19 - 3	\$ Q.	2×6-	2382	478-7	1 A 1	3/63	35-5	301-		Sec. 12.3	130	5/2/37	34.74	57.29	24.2	25,55	1187-51	161-511	12.00	
Measuring Point		(O)	က <u>်</u> က	ارة ر	3/4	.3 -7	2	2-	2	- J - Z	2 - 45	1 - 1	3 -3	3 -25	<u> </u>	-6 5	7 7 -	۲\ خ	- 2 -	5-	- 2 -	- 3 -	-5 -	-10	2. 9-	-75	- 9 -	-713	-8-	- n -	-1 -	-10/-	1 3/-	0	
Measuri	Varilca	Θ	カー	- 6 -	- 8	. 2/	0	. 7	3	7 -	- 2	- 2	- 7 -	- 2	ر د	4	<u>'</u> አ -	3	_ 3	<u>ک</u>	7-7	-/0	//-	- 9	٥ -	-7	ۍ -	カー	\$1	9 -	<u>ک</u> ا	نې ژا		61	
(4)	Jack		1430	52:57	7475	565/	1520	1540	,880	1580	2091	1625	0571	0.191	0691	0/41	کبیر	,760	1780	008/	1820	5781	1870	189.0	0/6/	0.66	3361	9861	2000	2020	2040	2065	2090	2//0	
SHEET	Diogonal	Stress Pressure (kg/cm²)(kg/cm²)	1, 69 /2				1				24.34	24.65				2.1	26.37				1	1		1.3		19.67		1			100	1	06/10	32,00	
DATA	Jack Di	Jack Hor Pressure St (kg/cm²) (kk	57 2	" 2	,, 2	77	7	11 12	1 2	/ 2	2	7	7 /2	// 2	, ,	7 /	_	-		 	Ι.	,	1	,	*	,		\$ \$	`	7	,		,	1	
SHEAR TEST DATA	Vertical Ja	Verrical Jack Harizada Jack Stress Pressure Stress Pressure kg/cm²) (kg/cm²) (kg/cm²)	8	"	"	"	,		77	"	,	4	-		*	1	- 2		1	*	,	,	ï	1	1		,	2	;		*	X X 3			
HEAR		Elapsed St.	4:16	20	75	28	32	36	93	777	8%	25	જ	\$:00	3	8	77	9,	20	3%	82	32	کړی	40	33	3	23	25	8:00	3	8	12	9/	20	
ROCK S	F	_ {a• _ Ec _	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\									1		3)				14 14 17	-						, a		a proper and a const			and the second second second				property of the second	

The Property Company of the	Verti	Vertical Jack		Diegonal Jeck	Sck.	\ \ \	Vari ical	Displacement	cement	(x 10 ⁻³ mm)	5 mm ²	Horiz	Hacizaniai	Horizonial Oles Joseman / + 10.3 mm	Mai Displacement	0.3 mm	
Time Eupsed	Sed Stre	Vertical Jack Stress Pressure Sug/cm² Kalanda	Str Te Str Te Str	brizontal Jack Stress Pressure (ko/cmPloco/cmP)		Θ	0	0+0	©	⊚	3+0	ම	@	<u>©</u>	0	<u>6-0</u>	Remarks
	24 8	5	57 0	32.30 21	2/30 -	1	8	28/2/2	0	0	9	9	/2	1	19	93.67	
And the second of the second		\vdash		32.61 21	2/50	/3		1000		0	0/2	OC.			2 0	100	
And the second of the second	32 "	"		32.91 21	2170		1	2/2/2	0	9	9	2	0	94	96	18	
	36				220.	7	0	1.312	0	0	9	26	17	\$ 3	25	1	and the second s
7	40 7	-	77	***	20	*	5	15.2%	9 -	0	12.25	18	81	12	97	1,00	Management of the second of th
	7 37		\$\frac{\partial}{\partial}		224.0	Q.	57	1022.79	//	0	13/2	1	ó	1		1000	Come documents to separe
A Company of the	200	_	200		2260 =	7	10/	10.5.01	7-	1	15.5	7	61	6	7	103	
	4		3		- 15.827	6	녆	2.00	0	/-	1.22	٠ د	/3	//	5	25.08	and the second of the second
		,	४	OS, RJ 2.3	23/0	Y	5	1000	/=	0	45.4	1 2000	6	10	7	6.8 378.4	torica, expression and expression
7	200	_	38	35.38	2330	7	7	1000	9	7-	-45-45	7	/2	\$1	1	8.85.42	
_	_		3	25.5	7325	1	-/6	13	0	0		9	18	61	3	2886.47	
	00	\downarrow	200		-237.0	S	~	4.00	0	0	0.46	1	6	٥,	Z	かかか	
	77	,	7 0%	06.32 23	- 3562	*	7	003	0	0	2.45	2	22	٤/	34	100	
7	19,		77 38		24/0	-+	-/3	10.10	0	0	24.0	0	6	17	8	000	
1	20	7	0 %	. 1	2440	7	7	2,225	0	0	245	7	61	9	8	236633	
 			1	—↓	2460 -	. 27-	- F	182	0	0	24.9	\$1	//	17	3	20003	
		7	12/2	L	- 5480	-}	: 1	125,0035	0	0	24.0	/2	19	91	8	138821	
7	32 "	$\frac{1}{2}$	9		2002	S	\ !	1000	9	0	24.0	1/	8	89		1/23	
1	36	1	300	i_	3,057	7		2-3/2	9	0	24.0	5	9	9/	0/	P.3.5.67	
	07	1	35.		2555	00	- 1	27.5.2	9	9	24.5	Ŋ	77	97		2/22501	
1	77	$\frac{1}{\sqrt{2}}$	4		252	5		100	0	0	0-45	7	メ	//	\$	8.5.25.7	
	88		1	L	787	3	3-	178	0	0		7	//	1/		128.00	
1			7	- 1	26/5	7-		120/2	9	0	37.0	7	67	61	Į	1997	
	N VS	1	7 4			07	00	25 85 85	0	0	12/10	/	7/	17	Y	1689	
8	8		7		2660	- 9	1	\$35. ST.	0		アメアク	9	1/2	22	7	15.379	
	7	,	7 8	1	7680	-8-	74	1887	0	_	10/2/	15	0	9/	7	2627201	
	9	7	3	1	- ! }	- 0/-	-/0	300	0	0	37/0		22	22	۱	130%	
	/2/	7	1/2	4/83 27	- 5277	25	-22	\S	0		300	01	32	97		27.25.63	
	/6	- 1	7	177 23	ZXS0 -	15		2. con-	-15		11-3/2	3	7.5	38		(13/K)	
	20 /2	-	1			4	-77	1/420	87-		12-8-	4	3/	07	[]	25.20	
. 7	70		3	[/£ </td <td></td> <td>3/1</td> <td>Y V</td> <td>21/1/10</td> <td>O.</td> <td><</td> <td>/ 6-</td> <td>¢.</td> <td></td> <td><</td> <td>١,</td> <td>1</td> <td></td>		3/1	Y V	21/1/10	O.	<	/ 6-	¢.		<	١,	1	
	,		4		277.	_	9	1	0/1		3	7	Ē	00	را	1882	

19/cm²		34 24																The second secon			The second secon		The second secon	The second secon		ages, charges, Languages, concepts	And the second	And the second second second second	and the second s	and the second of the second	and another the second			The same of the sa	
8		Remarks			and the same					**						* ***		the second of the second second second	And the second s	And the same of th	Separate and the second second	And the second of the second o	A section of the sect	Section of the Control of the Contro	American and the second second	Carry and Carry Comments of the Carry Comments of the Carry Carry Comments of the Carry Ca		A company of the second of the second			A STATE OF THE PARTY OF THE PAR			And the second s	
Z	(x 10.3 mm)	<u>5~ @</u>	184,000	45	20,8877	11672	6000	X8241	100/	2/600/2	260072	6180	5011031	130	282/186	268	28,3287		4/16/	12/20/2			প্ন	3 LY	60,000	13. (E)	1350	600	13	\	\ \ !		\		
85-4	n (x ic	0	5	0/				9	6	01.	2	22	8	0/	10	4	7	20	11	7	8	7	18	77	31	*	77	240	1883		And the second states			And the second second	State and State
8:1-	Displacement	0	0%	3.5	3	43	19	25	25	25	63	63	20	90	3	7,5	36	77.75	52	76	172	9/	57	45	136	/52	45	743	210					The second secon	7
BB		9	32	34	32	34	35	39	99	38	93	S.	2	25	35	39	83	39	35	3%	14	83	25	49	24	134	22/	2208	-4649		ad ^h a sa anna		10 mg (10 mg)	No.	
Black No.	Horizontal	ଡ	ň	7	Ø	1/4	12	0	9	14	5	8/	9	2	11	6	12	3/	9	Ŋ	Ó	8	/2	9	Z7	27	3	202	1573	to the same	y			No. 1	
Bla	mu)	3+@	-65-015	25-49	15. 15. 15.	33.60	36-81-	13/8/	96:27	13-103	18/11/2	185/30	1000	12.72	13/2/	1050	15.5%	12/16	100	-15 20 K	132.50	122.24	が	182	13/6/	43/10	15 wer	2.500	-789.5		V	\setminus	V	\setminus	
m.0.0	(x 10-3 mm)	Θ	3	- / -	- 2	3	3	1	3		3	S	9/1	0,-	J.	- 7	- 2	9/-	7	م ر ا	5	9-	*>-	スマー	1.80	-25	-49	-39	-16/3	A Section of Section					
FD 20,0 m		@	0/1	7/ -	6 -	37-	- 21	6/-	3	12-	5/-	-32	77-	51-	-23	9/1	0	9	8	7 –	- 20	ري س	-35	-17	- 20	- 2C	- 35	-65	- 1			120			
5	Displacement	0+©	37.67		1263	Ž	18/1	13.21		100		A.S. (5.3)	69	12.80E	81/200	1200	18-74KS	に一個	12-78-1	-8-783	7	200		10.1	1000	100	1803	120,720	September 1		V			V	•
Medsuring Point	Vertical	<u>)</u>	-/5/-	-2/	-2/	202	-3/	-25	-9	17.	-23	-38	7	-30		7.5/-	-/2		-18	9 -	-/9	-/2	502	-28	-32	14-	-59	35	=/368		Section and				
	Ver	Θ	-2	9/-	1	0E-	0/-	6/-	9,-	2	-37	-17	0	-33	-18	//-	-15	σs-	- 20	-,0	5/-	カー	1/2-	í	<u>چ</u> ۔	- 98	-97	882-	(27/-		The second second		Limbon L. Lawrence		
6	Jack	ack ressure 9/cm²)	2835	2855	2880	290.0	29235	29%5	296.5	2990	0000	32,06	3555	307,5	3100	0/20	3:4/8	3.65	3/8,5	0.720	0,50,50	25,526	3220	3295	3320	3340			3,80,5					3.2 - 1	
DATA SHEET	Diagonal Jack	Portamed Jack Stress Pressure (kg/cm²) (kg/cm²)	00 07	08.33		43.98		69.77	14.97		57577	4599	16833	46.64	4702			0087	7837	8987	48.99	49,33	7667	49.97	35.00	50,66	00/5	****	2/164			13.75 13.75 14.40			
DATA	Jack	lack ressure kg/cm²) (22			"	"	1	7	"	"	"	7	"	1	,		À		"	"	" "	7								a a a a a a a a a a a a a a a a a a a		8		
R TEST	Vertical	Vertical Jack Stress Pressure (Mg/cm²) (kg/cm²)	8	*	,,	//	"	"	"	"	"	"	"	"	"	"		\ \'\	~	1	7	*	"				i e	•	1	200		14. P. 15. P. 15	Control of the control		
SHEAR	-2. E		32	35	07	ガガ	87	\$2	38	9.00	4	80	72	9/	07	7/2	28	35	3%	07	77	877	\$2	35	00:01	4	8	17	9/		1007		14.0	- 1 - 1 - 1	
ROCK	1	- EI								100											1 may 2 m					and the second	Complete Section 1								

ROCK SHEAR TEST DATA SHEET (1)

2 "Yen? 60 cm² 7							1																						7	*****
N s	And the second s	Remarks																									•			
	(mm •	<u>6-8</u>	0/	1	1	1	1	1	1	1		,																		
N CONTRACTOR	t (x 10	9	0	0	0	0	0	0	0	0						1														
l Er	Horizantal Displacement (x 10 3 mm)	Θ	0	0	0	0	0	0	0	0																	4			
12 S. C. C.	tal Dis	9	0	0	0	0	0	0	0	0					E ,															
Measured by States of the state	Horizon	©.	0	7	0	0	0	9	0	0												L				_				-
Measured by Measure 20/.7 kg/cm² Ram Olamoter 8/2 ⁶⁵ cm	m)	<u>3</u> ⊕+®	00	00	0	15/15	2/2	25 45	28-0	127				-			<u> </u>													_
Measured by S Kg/cm ² Ra	(xIO3 mm)	⊚	0	0	0	3	50 1	ج 2		0										<u> </u>			-		-	-	-			
3983			0	0	0	0	0	0	0	0												-							-	-
fax. Oil Pressure	Isplacer	<u>2</u> 2	10		12	150	367	25.55		187				-								-			-					-
fox. Oil	Vertical Displacement	<u>o</u>	0 0	-1 18	0	- 2 04	6//-	_	0 0.5	0		-	<u> </u>		Y .	_					-									1
Grade Measure 3963 Kg/cm² /- units , Max Oil Pressure 20/7 Kg/cm² iis , Max Oil Pressure 20/7 Kg/cm²	Ver	(-)	0	29	9	i.		191	- /	9				-					_	-		-	-		-		-			-
	ack	ssure (cm²)							, с Од			_		-			F	-					-		-					
	gond	risons Ja 1888 Pre 2/on?) (k.												-	-		<u> </u>		-		-	-		-			-	-		
200 100	Verrical Jack Diagonal Jack	Elapsod Stress Pressure Stress Pressure (Ng/cm²) (Ng/cm²) (Ng/cm²) (Ng/cm²)	1	3/	14	0	0	74/	3/	3/	-	-	-	-	-	-	-	-	-	-		-	 		-					-
Option pacifix	ertical .	ress Pa	\	7	2	0	0	2	7	2	-	-	\vdash	\mid		-	-	-	-	-							1			
taflon 11 Icaflon Jack Ca	<u>λ</u>	II 695 188.93 188.93	0	7	8	9/	20	28	32	3.6.	-			 			-					-							†	1
Test Location Managery Geological Classification Children Vertical Jack Capacity 200 km x Diagonal Jack Capacity 200 km x		E E																												

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	<u> </u>	3/3/3/3/3/3/3/3/3/3/3/3/3/3/3/3/3/3/3/
		回 000000000000000000000000000000000000	回 000000000000000000000000000000000000
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	12/a/a a/a/2 1 3 3/2/2 3		
1 4 1 1	1/2/0/00/2/2/2/2/2	1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
왕 /왕 /			
90	000000000000000000000000000000000000000	200000000000000000000000000000000000000	000000000000000000000000000000000000000
1.	<u> </u>		
- **			
7, 77			
28	10 4 4 4	8332033200	

ROCK SHEAR IES! DAIA SHEE!	7	ילה הבו	F	A SHEE!		(S) Meas	Measuring Point	lint	_ 11	10.8m		Block No.	A	-2,88-1		Z
E	Time_ Elapsed	Vertical Stress	Jack Jack Pressure	Vertical Jack Existed Jack Stress Pressure Stress Pressure Referred World Manuer	Jack Pressure	Θ		(D+Q) (3)	0	€ ⊕	3+ 0	9 9	1		6	() - () - () - () - () - () - () - () -
	00	7	14/	0/1	72.5	7	- 8	1/2/2	1.2	0	12/1/2	\$	4	6	n	3/8/2
	/2	1	*		1	\$ -		12/8/2	Z	0	3.67	The second	00	^	7	
	٦/	4	,,			-7	0/-	17.20	\$-	0	22.22		91	80	, 6	68/8%
# W W W W	20	7	7	12.02	!	2	8/-	85%	-2	0	22.25	7/	26	\$\$	26	298,487
	24	4	"	12.31		9-	-27	14.5%	6-	0	45.70		٤/	0/		15.8.51
	2.8	4	e e e e e e e e e	99 21	100	-7		562.5%	9-	2-	28-36	31	25	00	30	25/35
	32	7	7	1901	. 1	9	87-	83.5 8/	-20	/	300.00	1	28	24	"	87/2/2
	36	1	"	25.61		-27	- 30	19975	. 1	_ 2	25.37	61	2.2	38	24	8.3.3
	40	7	7	6921		1	- ¢2	370 OF		2 -	5/25/12	,	2.9	5.3		28.77.9
	77	"	1	14.03	- 1	47.5	-37	4.1227	1-59	2	8650		186	2.2	9/	25033
	87	11	,	14.33	4.1		- 38	12.25	-3/	_ 2	571137	77	1.57	23	87	W. 3. 54.52
	\$2	"	1	19.67		-26	-25	25.2.6F	-22	\$ -	82/28/	A	-52	72	-	36.8.6
	55	1	1	15:01		, 1	-35	-25.618	١	-/3	15.5.2.2.		98	23	13	6.02:35
	3,00	1	7	78.51		16-36	*****	38.285	-29	·; —	33/26	2	677	36	5.3	100
	77	"	~	0631	1035	,	23-	No. of the	10-	j	1887 2012	25	57	25		1867/20
	80	"	"	00 77	200	-18	5n -	3/2 Miles	65-	-/5	132-15-	06	47	7.7	5.5	4003504
	2/	7	7	16.3%	1077	1 -36	-37	10 miles	10-	3-	15 800	50	63	26		658234
	16	"	1	16.88	1100	カガー	-48	184	-23	-32	102.50	ر د د	18	32	25	4.512/16
	20	7	77	1202		'	-35	25.00.1	-25	- 24	-24-2955	91	79	2/	Ŋ	123 835
	24	1	1	12.62	277	- 1	os-	15.00	18-	-31	137.75	576	25	/5	9	51.3 953
	2.8	7	. 3	17.67	1.6.5	-36	-65	30	777-	-49	15.23	80	80	وي	84	62357/6
	32	"	"	12.97	7	59-	٢//-	3610	96-	- 43	12/20	79 1	011	22	82	1358
	36		7	18.35	12.0	2	-125	1.25.92	- 33	-50	15.65)), ;	20	0//	1. 1	723,504
	40	7	,	1865		87	-105	-2-5287	- 39	16-	135.467	69	80	22	Ş	4.49 × 4
	77		"	18.96	977	-51	100	125.50	-53	カカー	120	66	011	26	98	7/80/58
	87	7		1938	1275	-27		112,05M	-65	-50	53.5%	101	121	1.7		100/100
	25	4		19.65	12975	- 28	-94	1811/2	j.	h2-	423-52-	69	85	15		437/8
	30	*		20,02	1320	1	-m	Series.	15-	-33		S	7%	67	ç	2316.2
	4:00	"	- 1	20,36		9.P -	07/-	77.76	-55	-47	3	001	90	20		843 x88
	7	"	,	20,70	1365			75.50			1927		20	163	T. "	1888
	8	_	,	10/2		1	-405	589 387	-269		36/3/10		430	442		108 m
	:			Š.		۱ ا	22.0	5.00	Ľ		165		1	7		Zaz Z

ROCK SHEAR TEST DATA SHEET (1)

N = 4 kg/cm²	A = 3600 cm ² 9 = 16.7		Remarks																	en jangan sebendidi sanganya. Tangan pada sebendidi sanganya.	The state of the state of the second of the state of the							e de la companya de l		 The state of the property of the	
90		(x 10-3 mm)	@ - @	0	$ \setminus $	00	0	0	0	25.25	4.54	01-2-	01-10	0 10		Section 2	i v														
Brock N	ر ا	1	(6)	0	0	0	0	0	0	0	0	0	0	0		******												1.A(X)		1200000	
1988 Block No.	Scan 1	Ol spiccement	©	0	0	0	0	0	0	4	7 -	- 2	0	0		19 1 1 m					Allegaria di disease.							e September			7 ts
19:11:	er 2253		9	0	0	0	0	0	0	0	-5	7-4	0	0								The second second						- A		Section of the sectio	1 1 1
1	Ram Diameter 92535cm Ram Diameter 17945cm	Horizontal	(3)	0	0	0	0	0	0	0	0	0	0	0								and a square.						A transport of administration of the control of the		And the second	
Date Measured	P _Q	(ພພ	Ø+@ 2	00	50.50	0.5,	5030	20,0	5.6.0	20.0	200	500	500	5.000							18 18 18									egen and a	
Date Measur	396 3kg/cm²	(x10.3	⊕	0	0	0	0	0	17	0	0	0	0	0							produced to the fi										
2111	1 21	ament	©	0	7	7	1	0	7	0	0	0	0	0			1			and the sole in									Section of the second	And the second s	8 0 1
TD. 12.0M	Max. Oil Pressure Oil Pressure 20	Displacement	0+0 2	00	2/2	0/	1/1	20,00	12/2	, , , , , , , , , , , , , , , , , , ,	12	15/	1-6	0-6) /- /-							W					
	1 7	Vertical	©	0	2	0	7-	/-	2	2	2	7	2	0							100 miles (200	, (2) July									
Point			Θ	0	2	0	/ -	0	/	0	0	0	0	0	1.1 1.1						3 N 20	e de la companya de l	- K	The second and						A Section of the sect	
easuring 1 Rock Gro	x / Z	Jack	Herizonal Jack Stress Pressure (kg/am2) (kg/am2)				i.												1, s		7 7 1								A Part of the		
X 7 7	200 ton x	Diagonal	Perizonal Stress (kg/am²)							.,								1 1966									18 18 18 18 18 18 18 18 18 18 18 18 18 1				
2,85	200 ton x	Jack	Jack Pressure (kg/cm²)	7	7/7	74/	0	0	7,	21	55	62	58	29									17.00					(1) (1) (2)	and the second	in in the standard popular	
400 G	Capacity Capacity	Varilcal	Vertical Stress (kg/cm²)	/	2	2	0	0	2	ۍ	7	3	<i>ት</i>	ń							100					The second of th			#10 10 min 1	September of the Asset	
Geological Ond 198-2 Measuring	Classification Vertical Jack Diagonal Jack (800	Elapsed Stress Pressure S (kg/cm²) (kg/cm²) (t	0	75	8	77	20	28	32	36	07	4.2	37											V 100 A 111 N 100 V 100	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				Security 28	
Test L Geologi	Vertical Jack Diagonal Jack		٦ ا							:											No. of the second								\$0 and \$1	property children in control of	

		1 2 2 4 2 2			1		1			2-4-						֓֞֞֜֜֜֜֝֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֟	
<u>8</u>	Time	Vertical	Vertical Jack	trizontal Jeck	Section 1	1 0	; [Ots processings		}	(mm)	Hora 30		nori zoniat. Dispiacement	ીનું	(x 10 2 mm)	Remarks
3 . 5 // 6	Ekspsed	Stress (kg/cm²)	Express Ressure Stress Ressure (My/cm?) (kg/cm?) (kg/cm?)	Stress (kg/cm?)	Pressure Mg/cm²)	Θ	8	2	<u>ල</u>	⊕	2	<u></u>	©	 (O)	@	3	
	0	7	29	780	2,25	0	0	0	0	0	205	0	0	0	0	0/2/0	
\$	7	7	Section of the	890	45	0	0	00	0	0	200	0	Ø	0	0	0/2	in the second
	8	1	1	0.99	6.5	0	0	00	0	0	100	٥	0	0	0	1/2	
The second second	/2	7	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1,03	8.75	0		١١.	0	0	200	0	9	0	100	0/2/0/	The second secon
y was a second	9/	7	//	277	077	0	0	0 0	0	0	200	0	7	0	15.00	1987	
	20	V.	7	201	13.65	0	0	00	0	0	20.5	0	2	0		6:30	7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 -
	24	1	1000	ح مح	ass'	0	0	00	0	0	300	0	, , ,	7	1	1.2.27	
Section 1	28	7	1	2,65	321		0	M	0	0	200	0	7	\		6.8.3	
18	32	ì	,	S. 8	26.61	0	0	N	0	0	300	0	6	7		3.8-3.1	
	36	ï	,	30%	220	0	0	0	0	0	300	0	7	7	0	3.5.25	
	03	"	Ť.	3.68	2425	7 -	7-	7	0	0	500	3	8	7	0	45.49	
	7/1		7	4 02	265	/=	-2	15.25	0	-2	30.0	\$	9	8	0		i i i i i i i i i i i i i i i i i i i
	677		*	432	285	2	0	1.35	Z =	/=	1-54	1.0	90	2	Ø		
	52	4.	,,	87.7	3075	7-	1.2	-2.05	7-	~2	-23	1	8	9	0	38	
	55	*	*	हैं डि	330	-2	7-	4.75	/ -	/-	17-12	\$	7	12	3	12/2/2	
	8:1	\\		5.35	72.5	- 9	7-	58-5	/ _	7-	4-16	.5.	7	/ 3	Ŋ	2051	
	77	-	"	5.69	375	11-	-6	-8,6-17	<u>۱</u>	Z _	1-2	12	202	9/	0/	145,454	
	8	"	"	8.3	39.5	11-	-6	35.55	0	/=	25.26	/3	اب	/8	7	85.57	W
	7/5	"	,	6.33	41.75	-10		185.94	-2	-2	-3.95	7	20	70	V	13373	
	7,6	4		6.67	070	2/0	6-	25.85	9 -	ا ب	X1.7X	80	20	22	Ş	138.85	
	20	1	,	7.01	5297	-18	-/5	16.866	1 - 5	カ ー	100	Ŋ	25	30	S	163,614	
	24	"	"	2.36	485	-20	-24	-22-82	- 7	<i>ħ-</i>	12.55	7	59	36	6	505.62	
	28	1		266	302	- 28	-25	365.	カー	カー	85-7-	/ 3	77	38	//	25.5,562	
	32	1	"	800	\$275	-27	-/2	18-5.28	-8	6-	135.35/	23	9	16	28	1361	
	35	"	,	8 38		67-	18-	37/26	0/-	-/2	-11.465	77	8	65	25	12 XX	
	04	,	,	868		72-	-22	33,88) '	90	19566	10	\$25	3		1.2827	
	TMT	6	, ,	902		-49	10-	-155.33	6-	-/2	125/2	7 -	15%	82	28	183 82/6	
	877	7	"	500	- 1		58.	177.3	-/2	i	135.90	5-5	96	87	67	100/2/	
	52		/	9.67	6335	-49	-26	37.5/3	-15		12,109	9%	J\$\$	18	22	867229	
	5.5	4	9	1001			-40	156,35-	?/-	3	A A A A A A A A A A A A A A A A A A A	28	65	22	30	5863200	
	2:00	4		13°C.	128/	186	-20	30	61		15.77	47	7	7.7	700	さんない	
	1		•				1	2)	-)		'n	. / 5	

전,																											Anna a sa		The second second	A second second					
12/cm2		Remarks			- - -	2.2														e une aproblem et un			The second second				1 Var. 8 1 2 1	and the second			man and a modern	The second of			
* 4		88																			in a second					And the second second			3			3. 2. 2.5			
N	10-3 mm)	<u>6~ @</u>	288	124.3	684879	768837	1000	738,045	15/01/2	618/163	55,00	7/3/296	8/1860	1889	888 ST	12/20	1903820	12.25	\				$\left\langle \cdot \right\rangle$	\setminus											
85-2	x)	6	42	57	49	7		90	0/		B	8/	B	104	28	214	558	297		34					X - 4.	. 1/V	a de la compania del compania de la compania de la compania del compania de la compania de la compania de la compania del comp		est San or years of the	April 1	The second secon	9	Section of the sectio		
	Displacement	0	72	78	82	18	から	101	29	20	\$\$	25	001	1.78	70/	82	309	0451	A property of the	and the second	Section of the second	A. L. Variance	e i grada						A Section of		A constitution of the second		The second secon	41.0	
DA-2.		9	7,5	25	90	80	36	35	071	20	90	80	103	1.22	97	388	540	930					weeks at 1								a deline magnetic				
Block No.	Horizontal	ම	37.8	29	50	53	15	69	38	97	49	49	27	90	75	200	3.1	2061			e e e e e e		and the second		Gorange Communication			The state of the state of) 30 / 20 / 20 / 20 / 20 / 20 / 20 / 20 / 2	er en system men sy		
96	mm)	3+@	192.00	12.06.5	19.20	5/2-12-	242/2	-185.615	2.20	305.70	12021	24.26	205.25	447	-44.465	138/1	12/8/2/	524.66		\setminus	\setminus		\setminus		\	\	\	A CONTRACTOR	١		\setminus				
2.0 M	(x 10'3	(-13	-/2	-/6	777			1//-	32	m			-65		-/40	26-	859			Acres deser	70	200, 100				and the second	and the second		A	1000		The second second		
TD 12.0 M		<u></u>	-8	-72	-/2	8/-	-18	7/7	- 2	- 26	3/=	-24	-25	-32	- 43	5	-11/5	-474			And the second second		in the s					1.7		13				100	
ŧ	Displacement	0+©	32.478	35.00	25.55	183.25	52.685	A. 19. Carlo	116516	45.768	136.2 To-	33.58.5	-52.5mg	25.50	(66-55-	16/13/	10/2/2/	20,000	\setminus	\	\setminus	1		\		\			\setminus		1	\	\setminus	K	
Measuring Point	Vertical	<u></u>	36-	7/2-	-49	-		-33		_	-25-	-35	-52	- 48	-90			-22																	
	Ver	Θ	777 -	- 43	-47	- 43	¥5-	-36	-43	-50	07-	-32	£-\$-	-27	مۍ-	25/-	06/-	1805						5				2.1	Yang di engli			1 1 1 1 1 2 1 1			
ر) تا	Jack	ock essure q/cm²)	72.5	24.25	220	2925	81.5	335	25.38	880	300	326	345	36.25	066	152/01	2001	2501																	
SHEET	Jagonal	orizonial J iress P kg/amP(k	00//	76/17	11,68	1202	12,36	99'2'	1901	28.61	1369	1403	14,33	14.67		-	-			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1											1000			1	
DATA	Jack [cssure S g/cm²) (1	29	-	,					"	*	,,		4	, ,	*	,	Π		1.0			1111						100	e service de la company	100	图 医春香			
SHEAR TEST	errical	Vertical Jack Perizanal Jack Stress Pessure Stress Pessure (kg/cm²) (kg/cm²) (kg/cm²)	7	"	,	1	,	1	:	-	*	*	1	*	-	-	*	1							- 10 m										
SHEAF	λ 	TO	80	/2	9/	202	7,7	28	20	38	3	22	677	225	ŞŞ	3.00	30	80				1: 1: 1: 1: 1:			1			2200		100					
ROCK		E E																								100				a dispersion of				A Bridge of the Control	

ROCK SHEAR TEST DATA SHEET (1)

N = 6 ×9/cm2	A = 3600 cm ² 9 = 76.7 •		Commission of the Commission o	The second secon																										
		-3 mm)	Ø~® 4	0	00	0/	20 30	200	0.05	00	45/5/	1565	8.2	0/2/04	0.28	١.	0 2.8													
Biock No.		nt (x 10	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0												1.00	
	1.5	Horizontol Displacement (x.10-3 mm)	0	0	0	9	0	0	0	0	9	9	0	0	0	0	9													
11.1	1. 0.75.3	ntal Di	9	0	0	9	7	9	0	0	/3	0	٧	0	0	0	0													
2/	Diameter 1	Horizo	ම	0	0	9	0	0	0	0	5	\$	0	0	0	0	0													
tasured	f by Ram Ram Did	lm)	Ø+⊕ 2	00	1 - 2	100	15.75	270	25.50	8 8	5/3/	58,22	0,20	156,20	05.00	(B)	021													
Date Measured 27.11.1988	11s., Max. Oil Pressure 396-1-kg/cm² Ram Dlameter #25.35cm Max. Oil Pressure 706.7 kg/cm² Ram Diameter #7965cm	(x103 mm)	<u>3.</u> ⊕	0	£ _	0	7-	-2	0	0		0	0 6	0	0 6	0	0													
	396	ment	0	0	7	Z	7	77		7	0	//	1	()	/	2	0		• • •											
T.D 13.5 m	Max. Oil Pressure.	Vertical Displacement	0+0 2	10	13.00	3.125	-1 715	79	218	76.235	15.00	6.5.10	LV	des !	. t	3672			_											
101	dax Oil	leaf	<u>0</u>	0 0	16 9.	1	10	0	7 4	14 7	20 1		8	4 2	3/	2 /	0 0								1				-	
oint	- C	Ver	Θ	0	·)	0	- 2	0	2	1	0	/	0	0	0	0	0										<u> </u>		-	
Measuring P		ack	-6									-											 	_						
Mea	Rock Dan X	gonal	Stress Pressure (kg/cm?) (kg/cm?)					-															-			_		-	-	
85-3	200 200 00 00 00 00 00 00 00 00 00 00 00	lack Di	saire St /cm²) (k	7	767	74/	0) (7/7	2/	20	36	43	4.3	43	43	43	_								-		-	 	1
DA-2. 85-3	Sphiplite 300 to poodly 200 to	Vertical Jack Diagonal Jack	Elapsed Stress Pressure (kg/cm²) (kg/cm²)	-	7	7	0	10	7	'n	7	در ا	9	9	1	7	~			⁻			-				1	-	+	1
a i lon	cation Jack Co Jack Co	Ä	Elapsed St	0	7	00	91	20	28	32	8	3	777	3	Ş	53	SS,	-		-		-	\mid	\mid	-		1	1	\dagger	-
Test Locafion	Geological Sphielite Rock Gro Classification Sphielite Rock Gro Vertical Jack Capacity 200 Ion x 2 units		Tim.																											

ROCK	SHEAR	AR TEST	ST DATA	A SHEET	ET (2	-	Measuring Point	ini	TD 13.5m	5m	Blo	Block No.	ÐA-2	2,85-3	3	2	6 kg/cm²
	T.	Vertical	l Jack	Diagonai	ał Jack	10/	Verticat	Displacement	1	(x 10-3 sivn)	(uxu)	Horizoniai		Displacament	ž	10.3 mm)	
# E I	Ekapsed	Vertical Stress Mg/cm ²	Elapsed Stress (Ressure 00/2011)	Perizona Stress (kg/cm²)	Harizonal Jack Stress Pressure (kg/am?)(kg/cm²)	Θ	@	<u>0+@</u>	©	⊙	<u>3</u> +⊕	ග	9	©	@	<u>6-8</u>	Remarks
	0	9	43	0.34	2.25	0	0	250	0	0	120	0	0	0	0	028	
	7	7	1	0.68	4,5	O	0	5250	2	0	125	0	0	0	٥	320	
	8	"	,	0.99	6.5	0	2	1.66.5	2	0	1-23	0] /	0	0	1.8.20	
	12	,	"	7.33	8.75	0	/	60.50	1	٥	0,5235	0	,	0	/	8,230	
	9/	"	"	1.67	0//	0		364.20	1	0	25.24	3.	0	0	1	1.9,6	
	20	,	0	2.01	73.25	0	-0	5820	/	0	27.50	2	/	0	7		
	24	.1		2.35	15.50	0	1	100	1	0	35.30	2	n	0	7	1.8,27	
	28	1		2.65	17.5	0	0	3/		0	35.30	æ	ئ	٣	(3)	1/37/5	
	32	7	"	3.00	19.75	0	0	0.30	algeriese i	0	35.30	4	2		Ś	28/20	
	36		٥	3.34	27.0	0	/ /	305.30	2	0	127	3	/	0	⁄ን	1.8.20	
	23	\	*	368	24.25	0	0	505-0			36250	2	1 6	7	2	3-23	
	777	, v	"	4.01		0	0	500	1 maga		35.56	7	7	7	و	6.32.5%	
	87	4	,	76.3	****	0	0	205	0	0		7	Ś	7	4	3.8	the second of th
1	52		1	797	30.75	7 =	0	95.50	0	0	820	Ŋ	2	7	π	3,30%	
	75				33.0	0	0	000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0	58250	4	2	n	4	3.3067	
	<u>;</u> 8		*	5.35	35.35	0	0	1050	0	0	0 285	3	n	7	ح	3,346	
	7		1	5.69		0	0	0 30	1	7 -	28.5	2	7	r	3	3/43	
	∞	*	١	5.99	39.5	/ -	0	28450	0	٥	28.5	1	7	75	Ŷ	32/26/	
	/2	7	*	6.33	41.75	0	0	2000	0	0	285-0	\$	2	-	7	3.8 298	
	9/	,	7	199	440	10	0	6250-	1	9	95.29	ځ	7	7	ኒን	3 528	
	20		¥	70%	46,25	٠. ج	7 ~	125	0	0	80	2	ħ	Ŋ	3	35.35	
	24	7 mm 13	1	2:36	48.6	7 -	- 2	12 S.	0	0	· 🔪 1	2	7	~	n	3.00	
	28	1	4	2,66	50.5	9-	ا س	350	0	0	1670	77	n	7	ک	5,5.648	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	32	12.07.00		6.00	52.75	-7	. 3	Sign 3-	0	0	0. 29	0/	3	Ŋ	9	11/450	
	35	1	7	8.34		-5	7	13/2	0	0	0.29	10	7		M	13/2	a la companya de la companya del companya de la companya del companya de la companya del la companya de la comp
	07	7 6	"	8.67	\$7,25	-6	1	-4.27	0	0	62.70	7,5	7		'n	308/20	
	777			19.02		5-	0/-	-25.95	0	0	0/20	7	9	3	22	40601	
	87		,	9,33	819	5-	0/-	12.12		0	285	8	. 6	9	00	2.59.4	And the second of the second o
	\$2			696	22'83	6-	-/3	111-	£ -	0	-1.5.28	8	8	0	7	2,00,0	The second of th
	35	7		10.01	\$6.0	-8	-/6	12-11	7 -	₹ 1	がなが	2	9	3	8	12/1/2	
	2:20	0	4	10.35	18,25	-/6	፠-	12.27	9 ~	٤ _	1450	25	30	050	20	3/	
	77	7	~	-		-/2	-28	150	12-	- 2	-45,55	23	7/	12]	3	16.8.5%	

-wcm-	The second second second second	Remarks	e la desta de la companio de la comp	September 1988 the second seco	en e	and the second second second	The second secon		to the state of the state of	en Salas Landa en						200 A 100 A																
ž	3 mm)	<u>6-</u>	19/2	5.5.65.6	603/653	4961951	412/12	27.500	635.00.9	496 89	32000	10000	1.650	7.08 gc/cs	2505.62	325,256	13.3469	18.8 665	7988	727	15. 15. 15. 15. 15. 15. 15. 15. 15. 15.	24. 793	332123	35.55	5844 ac	36 4/43	4.556E	6.3963.1	31.5 946	3/10336	3230	270869
2 22	DE (x) C	@	6	6	27	- 28	30	27	59	77	78		42	29	61	25	37	2,2	8/	\$5	26	74	12	7.75	カマ	63	33	9	5.5	3	. 1	120/
227	Harizonial Displacement (x 10 3mm)	0	4	7	8	2		/8	09	3	97	38	25	68	94	37	19	8/	19	42	20	40	32	26	45	32	53	6	43	85	9	اد اه
7 1/2	ntal Dis	9	$\boldsymbol{\eta}$	7	11	6	1,3	25	-59	\$3	22	25	20	3	-گ	2.3	4.2	/2	9/	57	Ž	0/	15	K.	15	22	5%	Α	26	24	09	22
Block No.	Horizo	©	4	\$	15	1/2	39	0%	20	80	90	3%	35	16	23		26	20	28	34	33	32	ક્ક	30	38	42	35	5	みぞ	13	25	20
	(mm)	@+@ 2	25/2	25.95	-8.1.5	-9-75	12,95	145.34	11.16	1000	12:165	12,775	195,92	22.214	5087392	125.55	28.24	35%	38.00	34.46	123.54	2:30	125.25	12.395	1,808.5	34,00	3.30 E/-	2.5.466	2000	12,498	\?\ \?\	13
3000	(mm 5 Ot x)	•		-3	-11	-/2	7-4	- 7	13-	-40	-27	5	22-	5-	-28	-10	-38		2	Q-	-/0	0/-	-/0	-2/	- 19	- 28	/-	0	//-	-/7	-20	×
2/2/	ament	<u></u>	-2	-2	-5	9	-20	-22	33	-40	-22	-2/	7/-	1/8	-5	-24	-43	-13	7/-	-18	-25	-0	2/2	2/ئ	6/-	- 20	- 25	/ -	6 -	-28	-29	0
] E	Displacement	0+©	127	4-15	125.948	125,04	925.24	-32-28	102.293	5/3/20	22-48	51-5015	35.60	16576	32.623	105665	21/2/2	-37-762	12/2	15/8	NA SE	12.00	13.20	12/2/	2007	43.50	48.10V	10,011	20131	22,168	38/2/28	かがん
ring Point	Vertical	0	4-	- 3	- 20	-20	747-	-38	-110	50/-		3.0		-2%	- 29		-65		-2/		-69		25	-45		55-	-63		-22	-42	-88	8
Medsuring	Ą	Θ	-4	-5	6/-	-/9	- 48	07	-100	-72	-74	-53	04-	75-	-35	04-	-58	38	-29	-43	75-	6/-	-35	-40	-37	-63	-33	01-	-/2	-32	•	7
	l Jack	tessure kg/cm?	13.72	74.75	77.0	79.25	81.5	ري. 20	35.75	88.0	30.25	22.5	345	28.25	99.0	101.25	1035	2301	2270	110.0	52777	5.617	5711	185	131.0	123.0			129.25	132.0	134,25	5 76
	Dlogonol Jack	Verricol Jack - Horizonial Jack Stress (Pressure Stress (Pressure Ng/cm²) (kg/cm²) (Ng/cm²) (Ng/cm²)	11.00	BE"//	11.68	1207	12.36	12.66		13,35	13,69	16.03	14.33	14.67	15.01	15.36	15.70	16.00	16.34	16.68	12.02	17.37	17.67	17.97	18.35	18.65	.96'8/	20.61	19.68	20,02	30,36	20 70
	Jack	Jack Pressure kg/cm²)	67			"	"			1	"	. 2		"	1	,	,	*	"	1	7	"	ï	//	1	1	*	1		1	1	
	Vertical Jack	Siress Sycm ²)	9	1100	1	"	"	1	"	"	,	~	7	//	7	ï	*	× ×	7,	1	× i	,	,	2	1	4	N	,				L
	Ē	73	8	/2	9/	20	24	28	32	38	077	77	188	52	9.5	3:00	77	80	12	9/	20	24	28	32	36	3	777	677	\$22	35	7.00	-
		Ē							4.0			:							ij													1