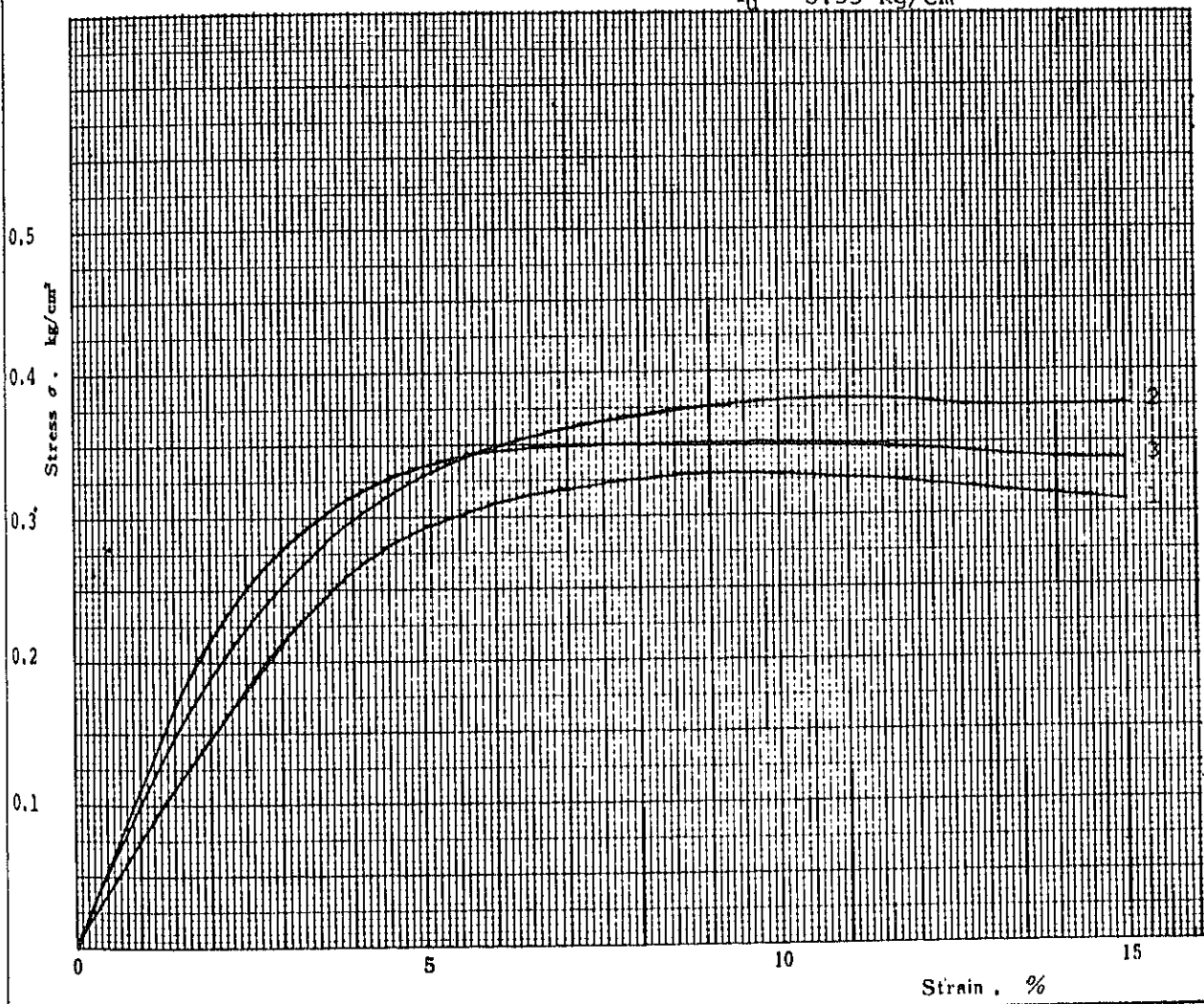


**UNCONFINED TRIAXIAL COMPRESSION TEST (Stress-Strain Curves)**


Project Gwadar Mini Port Job No. \_\_\_\_\_  
 Location of Project GWADAR Boring No. B - 7 Sample No. S7-2  
 Date of testing 23rd Oct., 1979 Depth of Sample 5.00 - 5.83 m  
 Strain Rate 1 %/min.

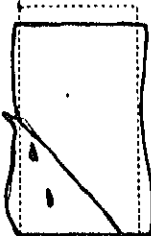
Specimen No.	Condition of sample	Size of specimen, cm.		Natural water content %	Wet density g/cm <sup>3</sup>	Unconfined compressive strength kg/cm <sup>2</sup>	Coefficient of deformation E <sub>50</sub> kg/cm <sup>2</sup>	Strain at failure %	Sensitivity ratio
		Height	Diameter						
1	UD	8	3.51	32.3	1.93	0.328	-	9.0	-
2	UD	8	3.50		1.91	0.382	-	10.5	-
3	UD	8	3.50		1.94	0.353	-	8.0	-


$\bar{q}_u = 0.35 \text{ Kg/cm}^2$




Remarks. Observation of sample at failure

1 

2 

3 



2 was difficult to trim.

**UNCONFINED TRIAXIAL COMPRESSION TEST (Stress-Strain Curves)**

**GWADAR MINI PORT**

Project \_\_\_\_\_ Job No. \_\_\_\_\_

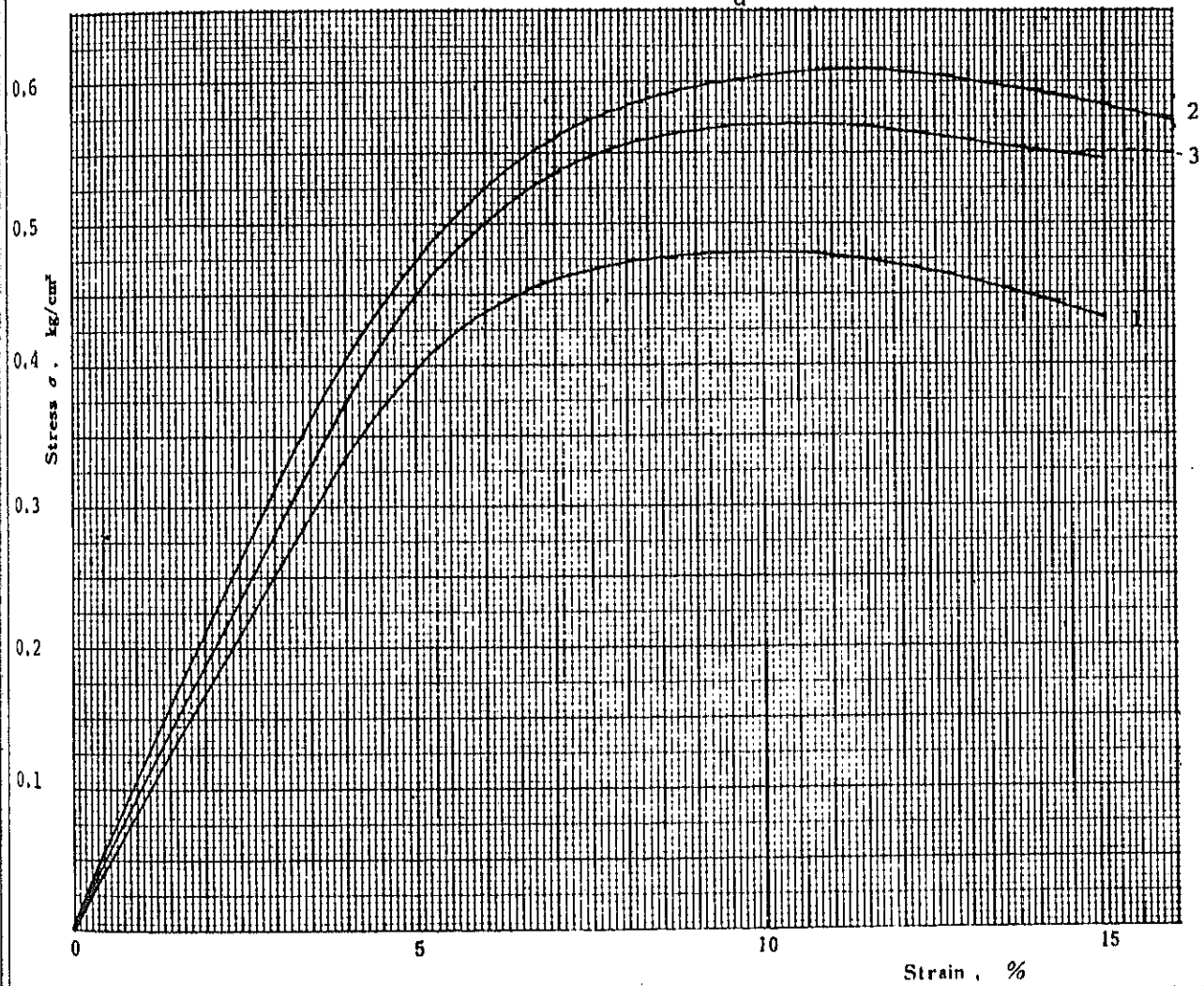
Location of Project GWADAR Boring No. B - 7 Sample No. S7-4

Date of testing 24 Oct., 1979 Depth of Sample 10.00 ~ 10.87 m

Strain Rate 1 %/min.

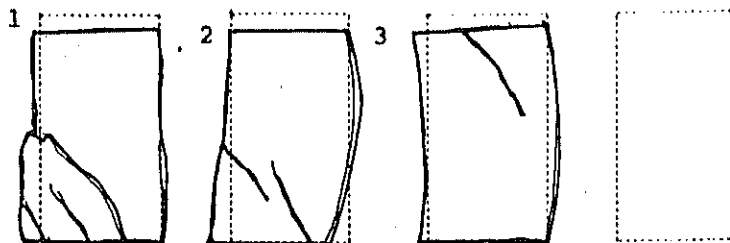
Specimen No.	Condition of sample	Size of specimen, cm.		Natural water content %	Wet density g/cm <sup>3</sup>	Unconfined compressive strength kg/cm <sup>2</sup>	Coefficient of deformation E <sub>50</sub> kg/cm <sup>2</sup>	Strain at failure %	Sensitivity ratio
		Height	Diameter						
1	UD	8.0	3.52	26.5	2.02	0.483	-	9.0	-
2	UD	8.0	3.52		1.99	0.610	-	10.5	-
3	UD	8.0	3.52		2.04	0.570	-	10.0	-

$\bar{\sigma}_u = 0.55 \text{ Kg/cm}^2$



Remarks.

Observation of sample at failure

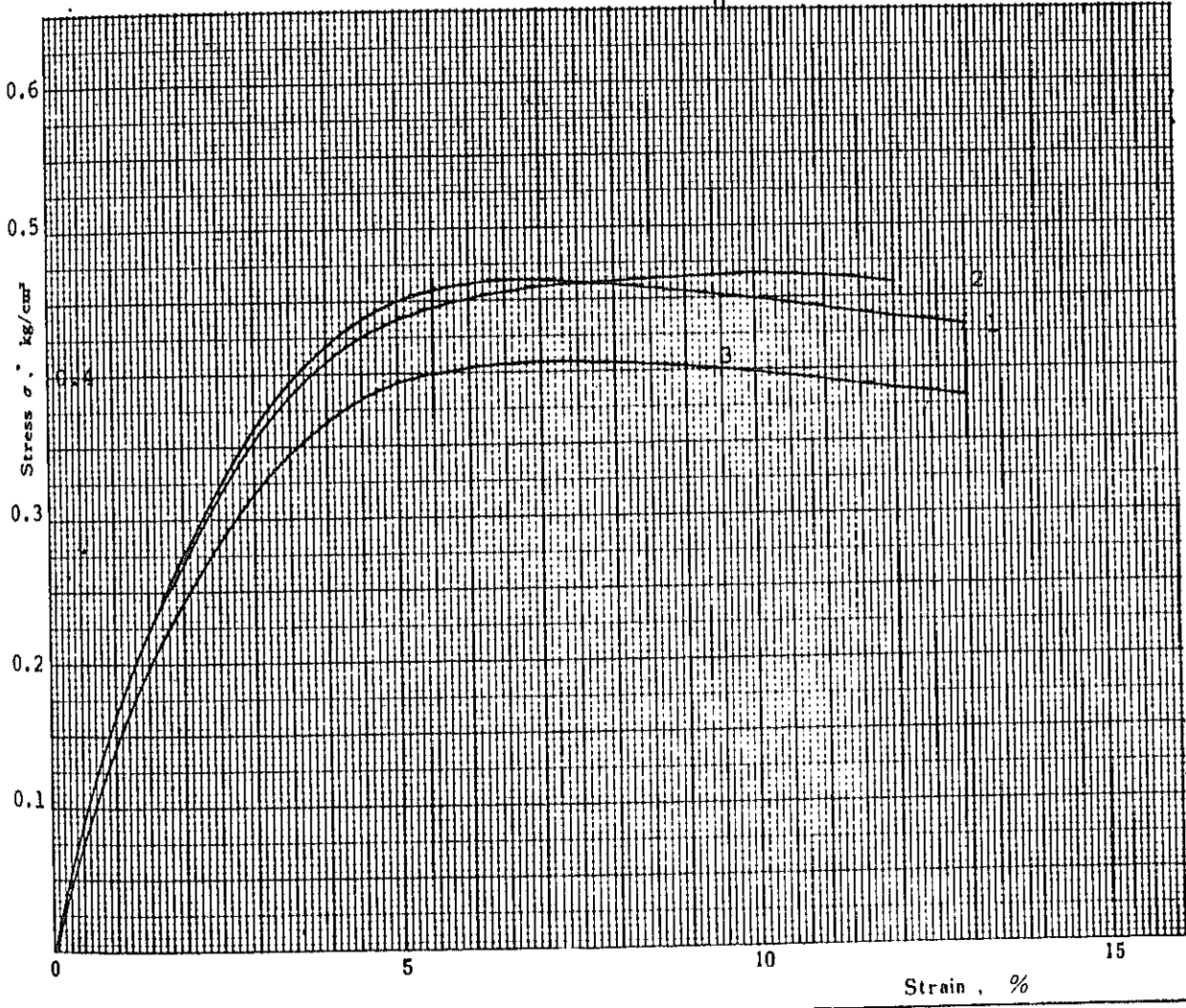


UNCONFINED TRIAXIAL COMPRESSION TEST (Stress-Strain Curves)

Project GWADAR MINI PORT Job No. \_\_\_\_\_  
 Location of Project GWADAR Boring No. B - 8 Sample No. S8-1  
 Date of testing 28 Sep. 1979 Depth of Sample 2.0 ~ 2.86 m  
 Strain Rate 1.0 %/min.

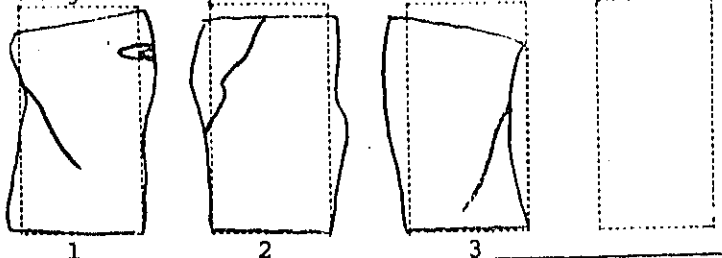
Specimen No.	Condition of sample	Size of specimen, cm.		Natural water content %	Wet density g/cm <sup>3</sup>	Unconfined compressive strength kg/cm <sup>2</sup>	Coefficient of deformation E <sub>50</sub> kg/cm <sup>2</sup>	Strain at failure %	Sensitivity ratio
		Height	Diameter						
1	UD	8	3.56	34.8	1.90	0.46	-	9.0	-
2	UD	8	3.50		1.91	0.47	-	6.5	-
3	UD	6.99	3.51		1.89	0.41	-	7.0	-

$q_u = 0.45 \text{ Kg/cm}^2$



Remarks. Observation of sample at failure

Shell fragments

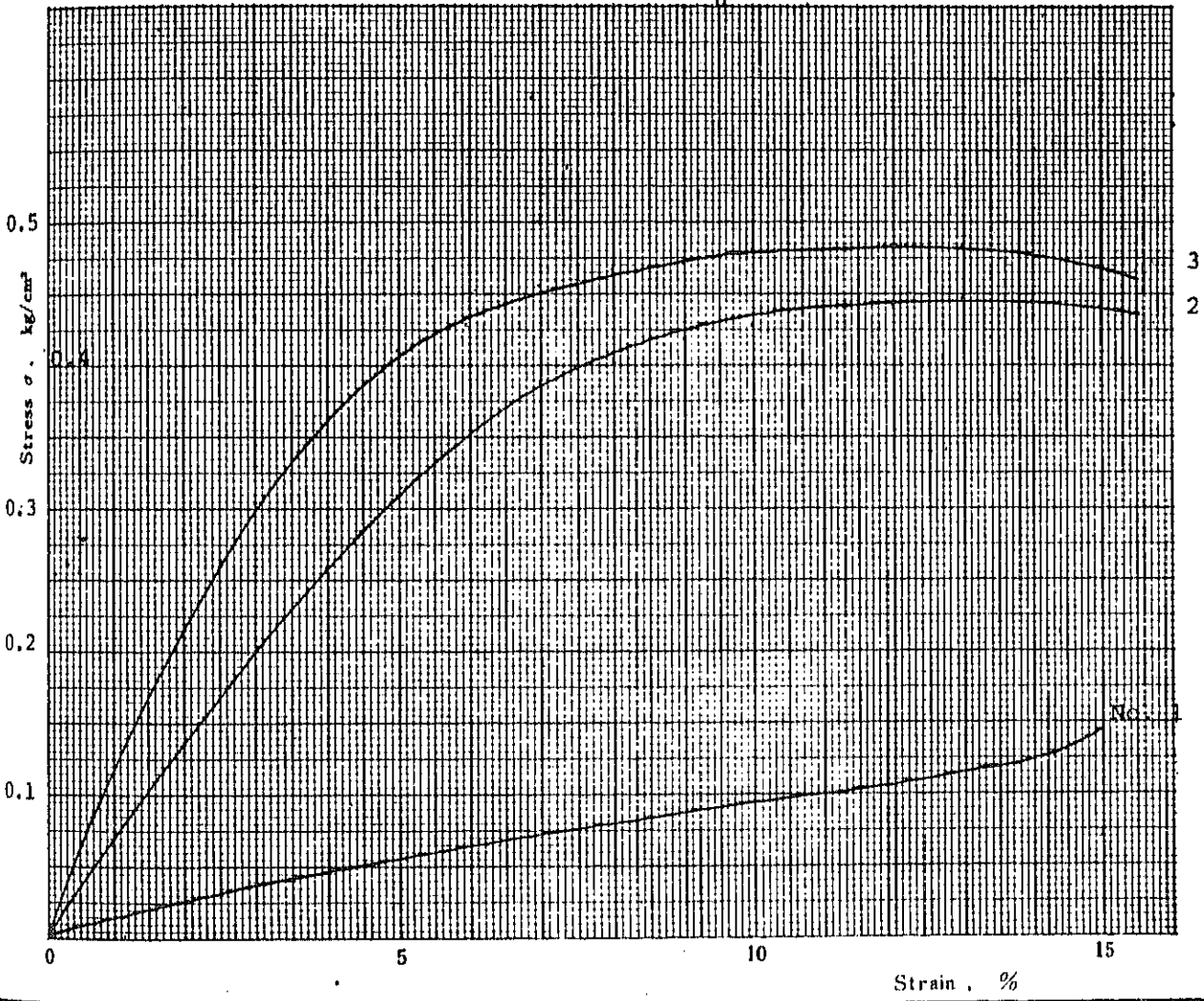


UNCONFINED TRIAXIAL COMPRESSION TEST (Stress-Strain Curves)

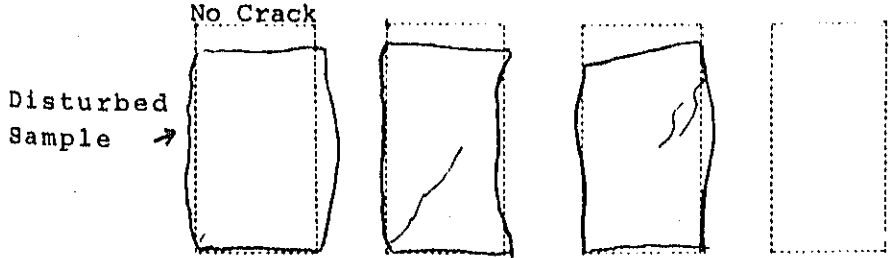
Project GWADAR MINI PORT Job No. \_\_\_\_\_  
 Location of Project GWADAR Boring No. B - 8 Sample No. S8-2  
 Date of testing 29 Sept., 1979 Depth of Sample 3.00 ~ 3.74  
 Strain Rate 1 %/min.

Specimen No.	Condition of sample	Size of specimen, cm.		Natural water content %	Wet density g/cm <sup>3</sup>	Unconfined compressive strength kg/cm <sup>2</sup>	Coefficient of deformation E <sub>50</sub> kg/cm <sup>2</sup>	Strain at failure %	Sensitivity ratio
		Height	Diameter						
1	UD	8	3.54	36.0	1.92	-	-	-	(Disturbed)?
2	UD	8	3.58	33.7	1.92	0.44	-	13.0	-
3	UD	8	3.59		1.89	0.48	-	12.0	-

$\bar{q}_u = 0.46 \text{ Kg/cm}^2$



Remarks. Observation of sample at failure

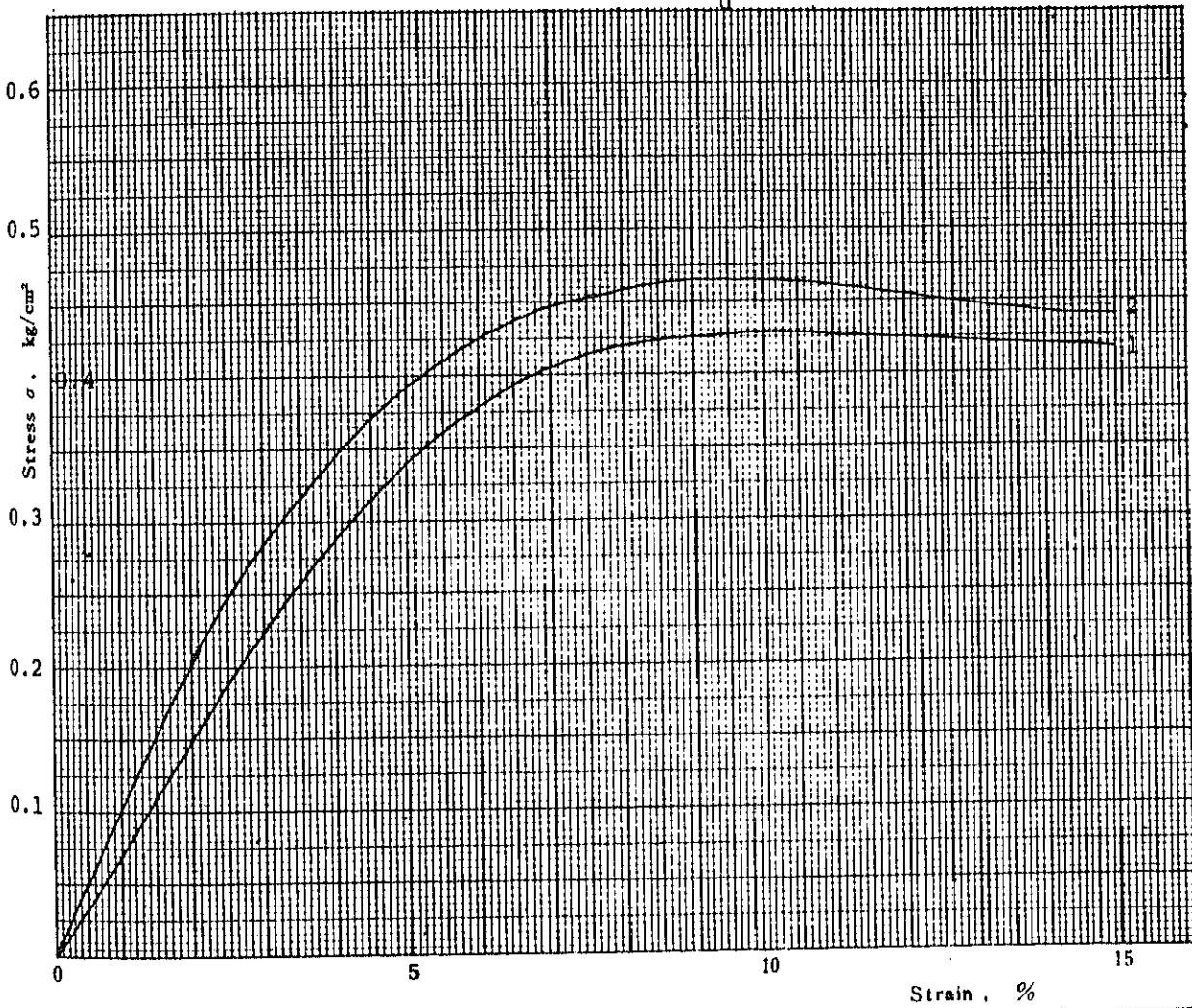


**UNCONFINED COMPRESSION TEST (Stress-Strain Curves)**

Project GWADAR MINI PORT Job No. \_\_\_\_\_  
 Location of Project GWADAR Boring No. B - 8 Sample No. S8-3  
 Date of testing 29 Sep., 1979 Depth of Sample 5.0 - 5.62 m  
 Strain Rate 1 %/min.

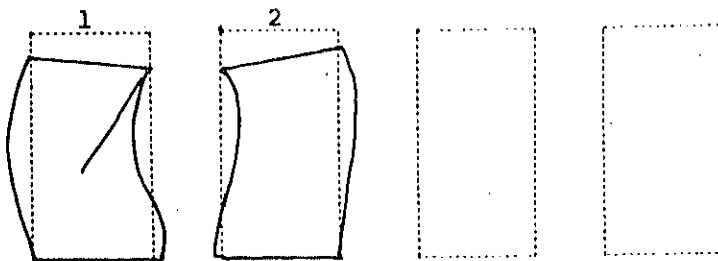
Specimen No.	Condition of sample	Size of specimen, cm.		Natural water content %	Wet density g/cm <sup>3</sup>	Unconfined compressive strength kg/cm <sup>2</sup>	Coefficient of deformation E <sub>50</sub> kg/cm <sup>2</sup>	Strain at failure %	Sensitivity ratio
		Height	Diameter						
1	UD	8	3.595	32.3	1.92	0.42		10.0	
2	UD	8	3.575	32.2		0.46		10.0	

$\bar{q}_u = 0.44 \text{ Kg/cm}^2$



Remarks.

Observation of sample at failure



UNCONFINED TRIAXIAL COMPRESSION TEST (Stress-Strain Curves)

Project GWADAR MINI PORT Job No. \_\_\_\_\_

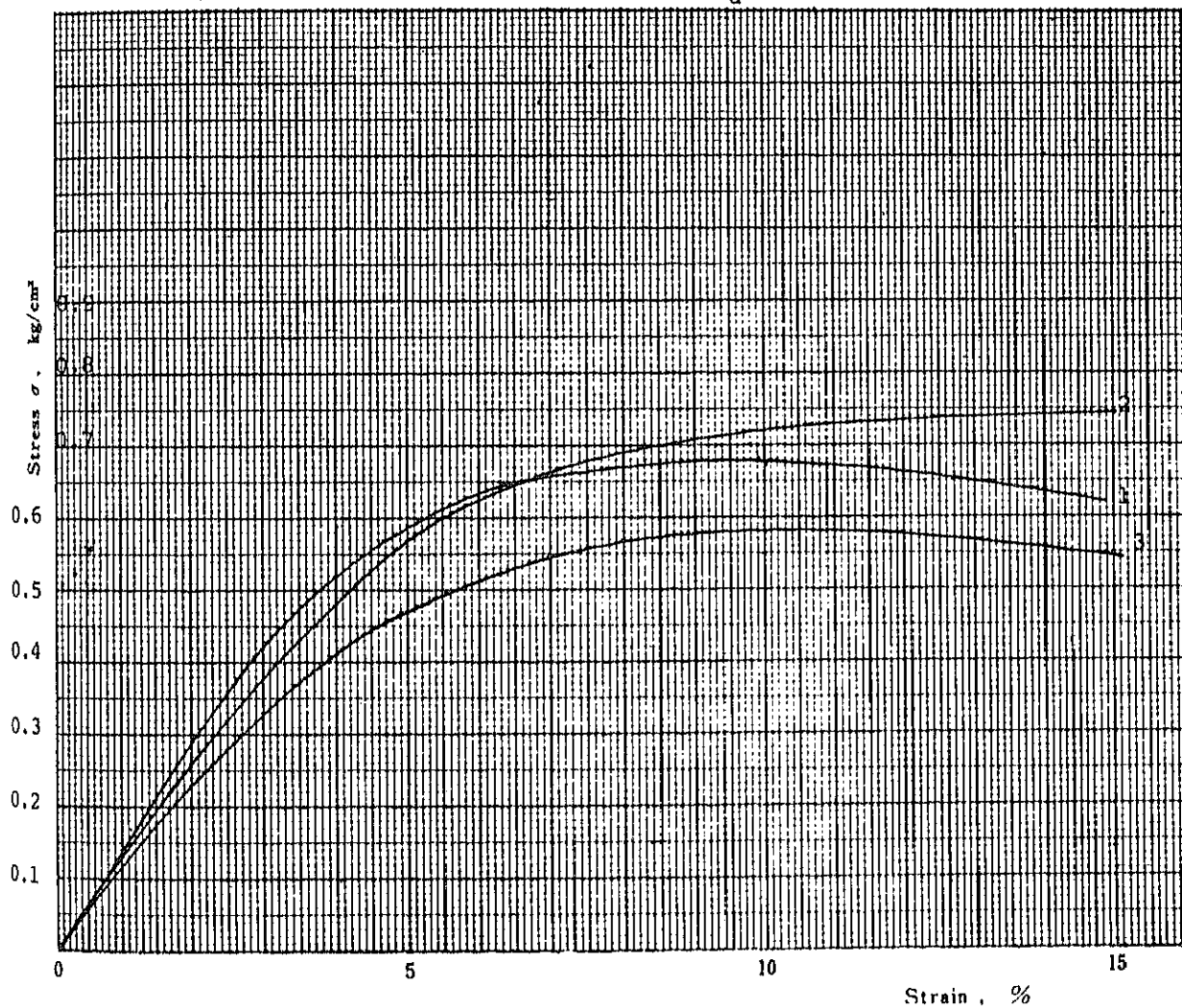
Location of Project GWADAR Boring No. B - 8 Sample No. S8-4D

Date of testing 29 Sep. 1979 Depth of Sample 7.0 ~ 7.65 m

Strain Rate 1 %/min.

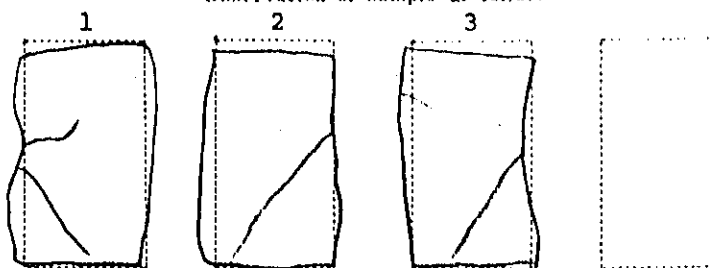
Specimen No.	Condition of sample	Size of specimen, cm.		Natural water content %	Wet density g/cm <sup>3</sup>	Unconfined compressive strength kg/cm <sup>2</sup>	Coefficient of deformation E <sub>50</sub> kg/cm <sup>2</sup>	Strain at failure %	Sensitivity ratio
		Height	Diameter						
1	UD	8	3.58	22.2	2.08	0.67	-	10.0	-
2	UD	8	3.56		2.07	0.74	-	(15)	-
3	UD	8	3.52		-	0.58	-	10.0	-

$\bar{q}_u = 0.66 \text{ Kg/cm}^2$



Remarks.

Observation of sample at failure

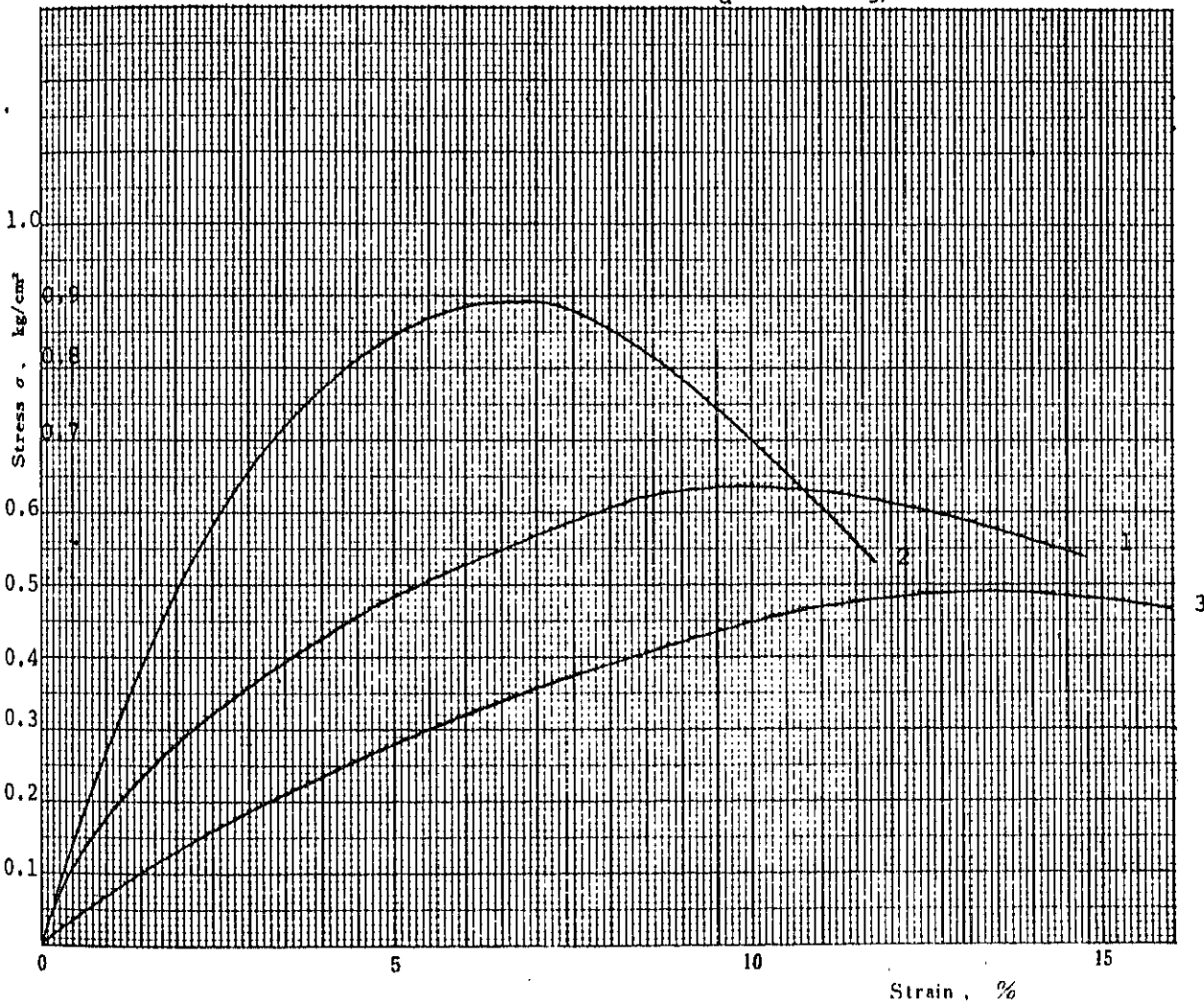


UNCONFINED TRIAXIAL COMPRESSION TEST (Stress-Strain Curves)

Project GWADAR MINI PORT Job No. \_\_\_\_\_  
 Location of Project GWADAR Boring No. B - 8 Sample No. S8-5D  
 Date of testing 7 Oct., 1978 Depth of Sample 10.0 ~ 10.58 m  
 Strain Rate 1 %/min.

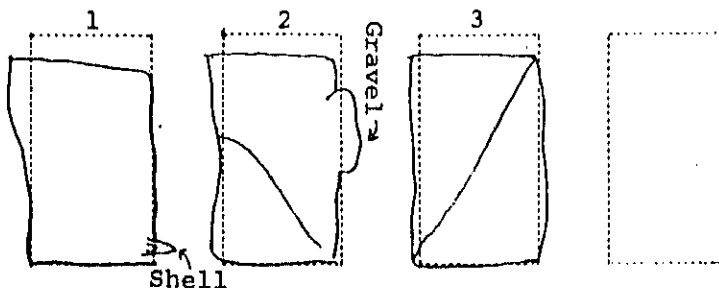
Specimen No.	Condition of sample	Size of specimen, cm.		Natural water content %	Wet density g/cm <sup>3</sup>	Unconfined compressive strength kg/cm <sup>2</sup>	Coefficient of deformation E <sub>50</sub> kg/cm <sup>2</sup>	Strain at failure %	Sensitivity ratio
		Height	Diameter						
1	UD	8	3.56	2.10	2.07	0.64	-	10.0	-
2	UD	8	3.53		-	0.89	-	7.0	-
3	UD	8	3.52		2.09	0.49	-	13.0	-

$\bar{q}_u = 0.67 \text{ Kg/cm}^2$



Remarks.

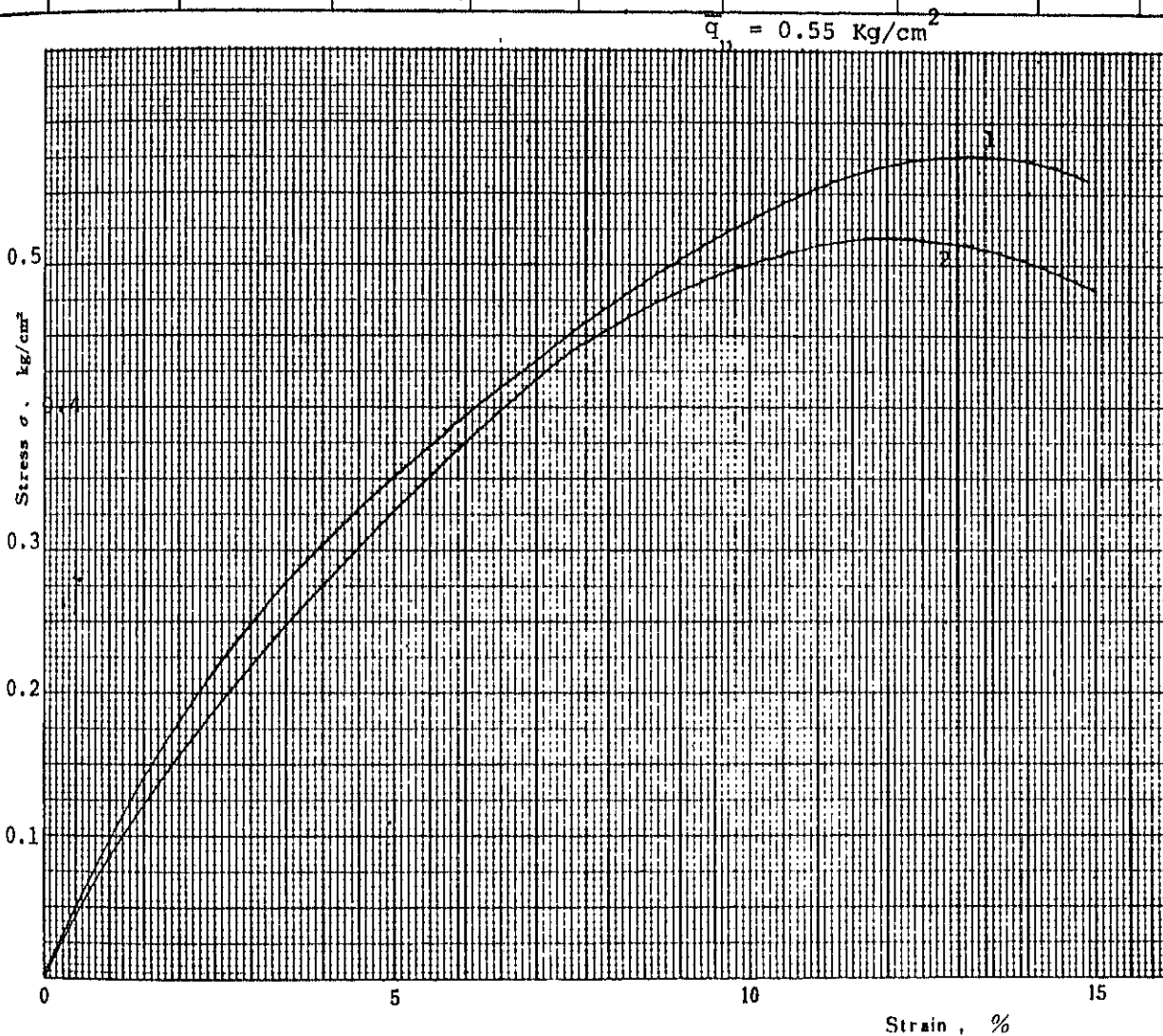
Observation of sample at failure



**UNCONFINED TRIAXIAL COMPRESSION TEST (Stress-Strain Curves)**

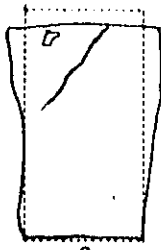
Project GWADAR MINI PORT Job No. \_\_\_\_\_  
 Location of Project GWADAR Boring No. B - 8 Sample No. S8-6D  
 Date of testing 7th Oct., 1979 Depth of Sample 12.0 ~ 12.62 m  
 Strain Rate 1 %/min.

Specimen No.	Condition of sample	Size of specimen, cm.		Natural water content %	Wet density g/cm <sup>3</sup>	Unconfined compressive strength kg/cm <sup>2</sup>	Coefficient of deformation E <sub>50</sub> kg/cm <sup>2</sup>	Strain at failure %	Sensitivity ratio
		Height	Diameter						
1	UD	8	3.53	27.8	1.91	0.58	—	13	—
2	UD	8	3.55		1.89	0.52	—	12	—



Remarks. Decomposed wood Observation of sample at failure

Decomposed wood





UNCONFINED TRIAXIAL COMPRESSION TEST (Stress-Strain Curves)

Project DWADAR MINI PORT Job No. \_\_\_\_\_

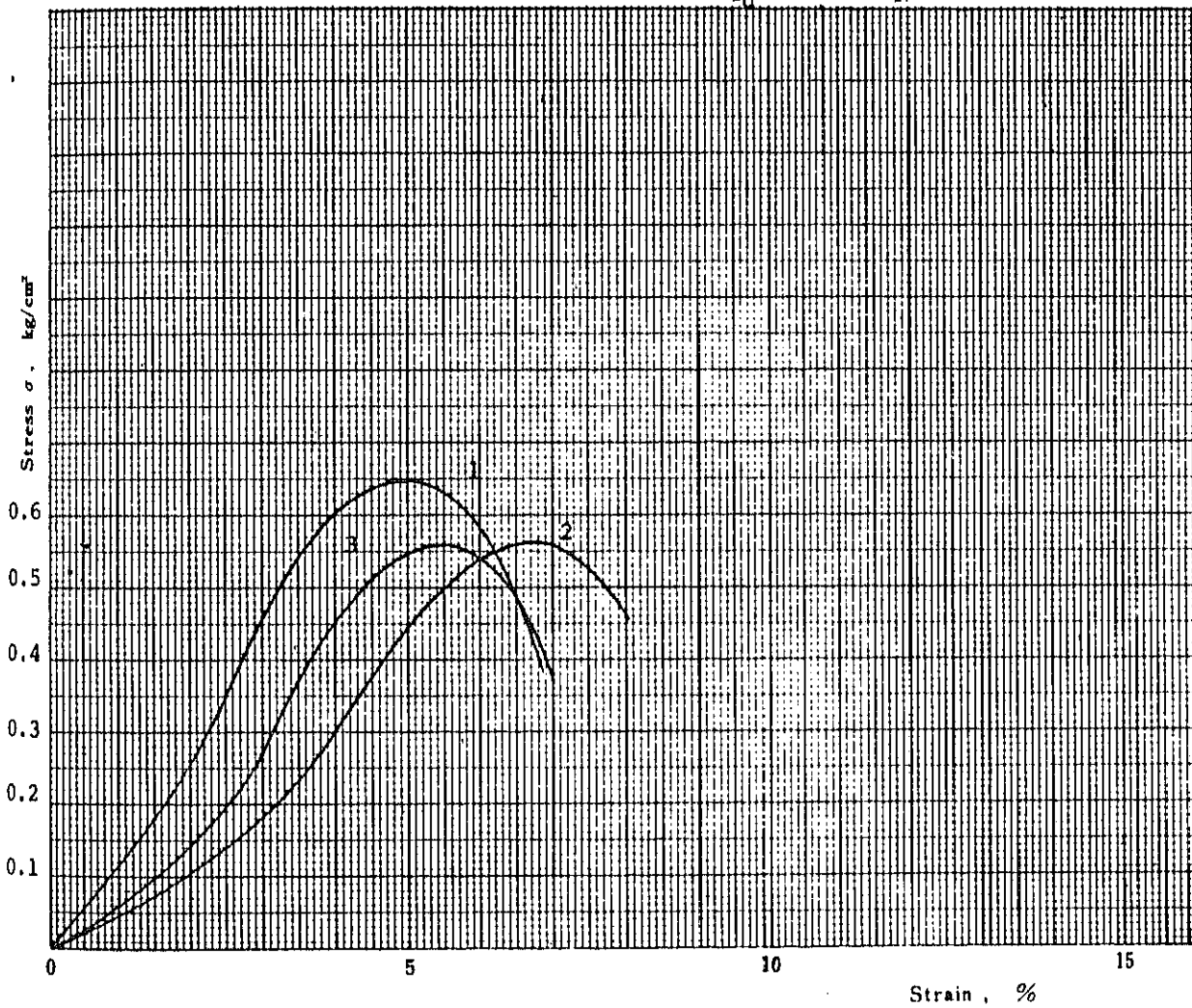
Location of Project GWADAR Boring No. B - 8 Sample No. S8-7D

Date of testing 7 Oct., 1979 Depth of Sample 15.0 ~ 15.6 m

Strain Rate \_\_\_\_\_ %/min.

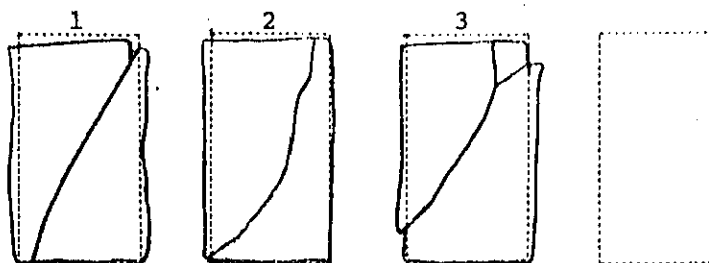
Specimen No.	Condition of sample	Size of specimen, cm.		Natural water content %	Wet density g/cm <sup>3</sup>	Unconfined compressive strength kg/cm <sup>2</sup>	Coefficient of deformation E <sub>50</sub> kg/cm <sup>2</sup>	Strain at failure %	Sensitivity ratio
		Height	Diameter						
1	UD	8	3.52	21.4	2.03	0.65		5.0	
2	UD	8	3.45						
3	UD	8	3.53						

$\bar{q}_u = 0.59 \text{ Kg/cm}^2$



Remarks.

Observation of sample at failure

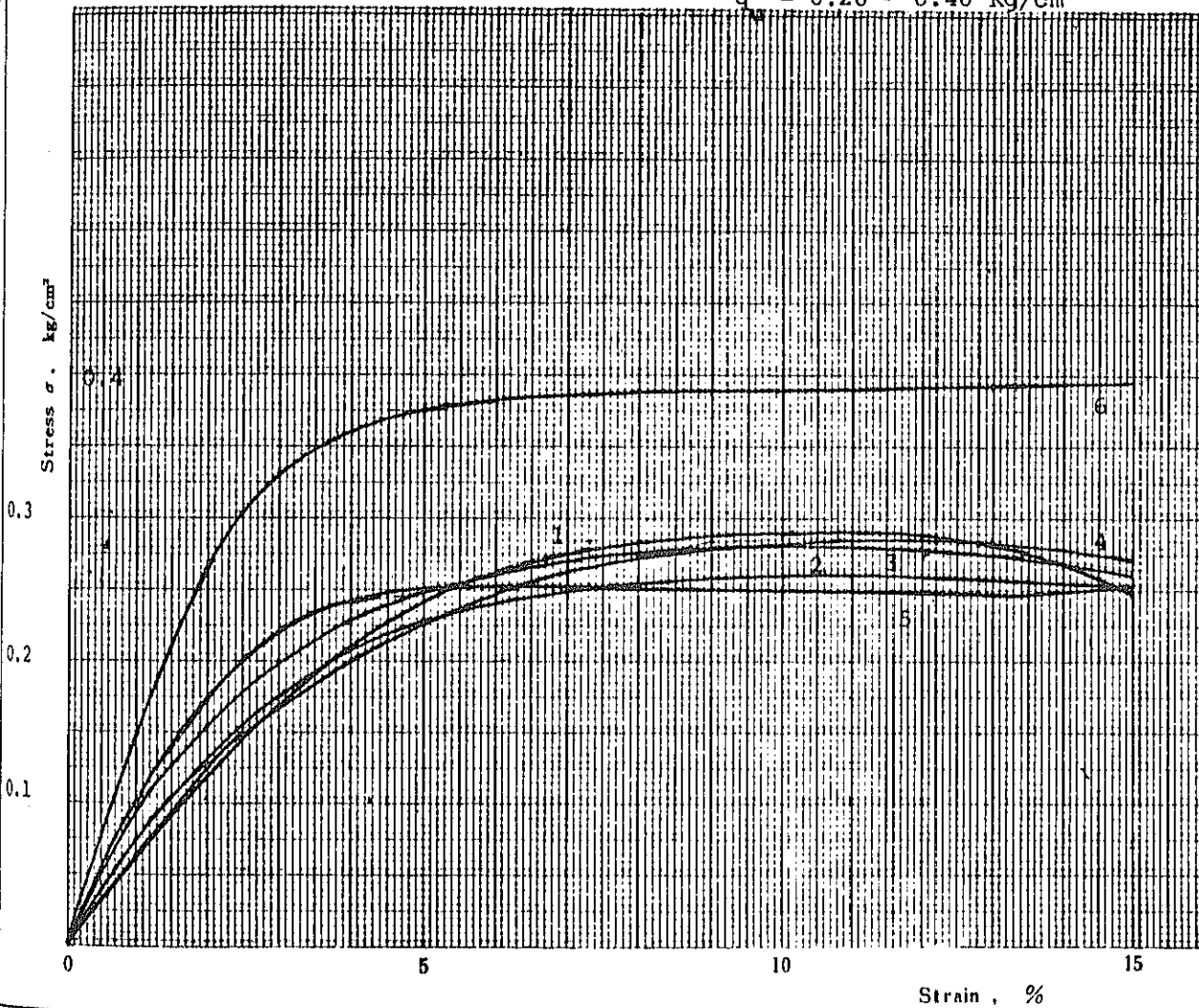


UNCONFINED TRIAXIAL COMPRESSION TEST (Stress-Strain Curves)

Project GWADAR MINI PORT Job No. \_\_\_\_\_  
 Location of Project GWADAR, PAKISTAN Boring No. B - 9 Sample No. S9-1  
 Date of testing 3rd Nov., 1979 Depth of Sample 2.00 ~ 2.82 m  
 Strain Rate 1 %/min.

Specimen No.	Condition of sample	Size of specimen, cm.		Natural water content %	Wet density g/cm <sup>3</sup>	Unconfined compressive strength kg/cm <sup>2</sup>		Coefficient of deformation E <sub>50</sub> kg/cm <sup>2</sup>	Strain at failure %	Sensitivity ratio
		Height	Diameter							
1 2	UD	8.0	3.49 3.50	34.3	1.90	0.29 0.26	-	12 12	-	
3 4	UD	8.0	3.41 3.54	33.3	1.90	0.29 0.29	-	10 10	-	
5 6	UD	8.0	3.52 3.53	33.3	1.92	0.26+ 0.40+	-	(15) (15)	-	

$\bar{q} = 0.26 - 0.40 \text{ Kg/cm}^2$



Remarks. Trimming was difficult due to shells.

Observation of sample at failure

1

2

3

4

5

6

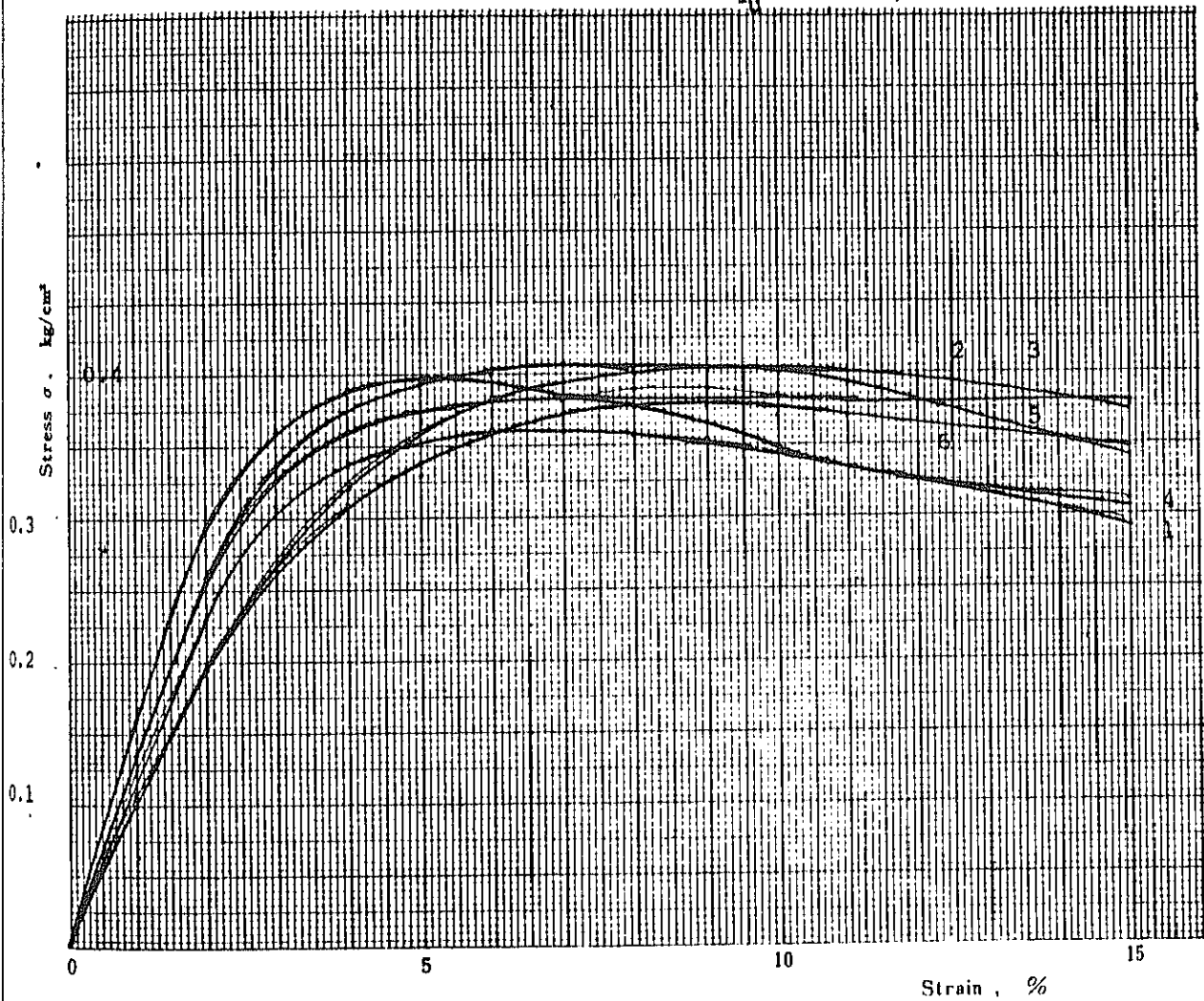
Specimens 1 & 2 cut from the same level of the same sample.

UNCONFINED TRIAXIAL COMPRESSION TEST (Stress-Strain Curves)

Project GWADAR MINI PORT Job No. \_\_\_\_\_  
 Location of Project GWADAR, PAKISTAN Boring No. B - 9 Sample No. S9-2  
 Date of testing 3rd Nov., 1979 Depth of Sample 4.00 ~ 4.82 m  
 Strain Rate 1 %/min.

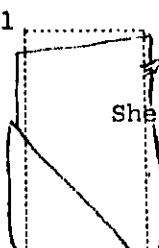
Specimen No.	Condition of sample	Size of specimen, cm.		Natural water content %	Wet density g/cm <sup>3</sup>	Unconfined compressive strength kg/cm <sup>2</sup>		Coefficient of deformation E <sub>50</sub> kg/cm <sup>2</sup>	Strain at failure %	Sensitivity ratio
		Height	Diameter							
1	2	UD	8.0	3.51 3.52	29.5	1.97 1.96	0.36 0.40	-	6.9	-
3	4	UD	8.0	3.52 3.51	29.5	1.96 1.98	0.39 0.40	-	8.5	-
5	6	UD	8.0	3.49 3.50	29.5	1.96 1.97	0.41 0.38	-	7.8	-

$\bar{q}_u = 0.39 \text{ t/m}^2$

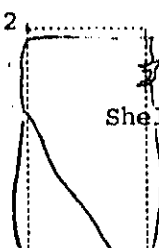


Remarks. Specimens 2 & 3 cut from the same level of the same sample.


Observation of sample at failure



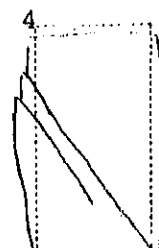
1



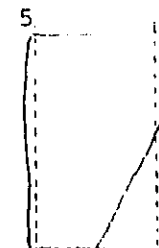
2



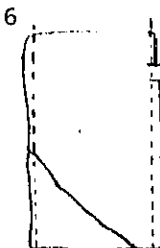
3



4



5



6

Labels: Shell, Shell, Wood

UNCONFINED TRIAXIAL COMPRESSION TEST (Stress-Strain Curves)

Project GWADAR MINI PORT Job No. \_\_\_\_\_

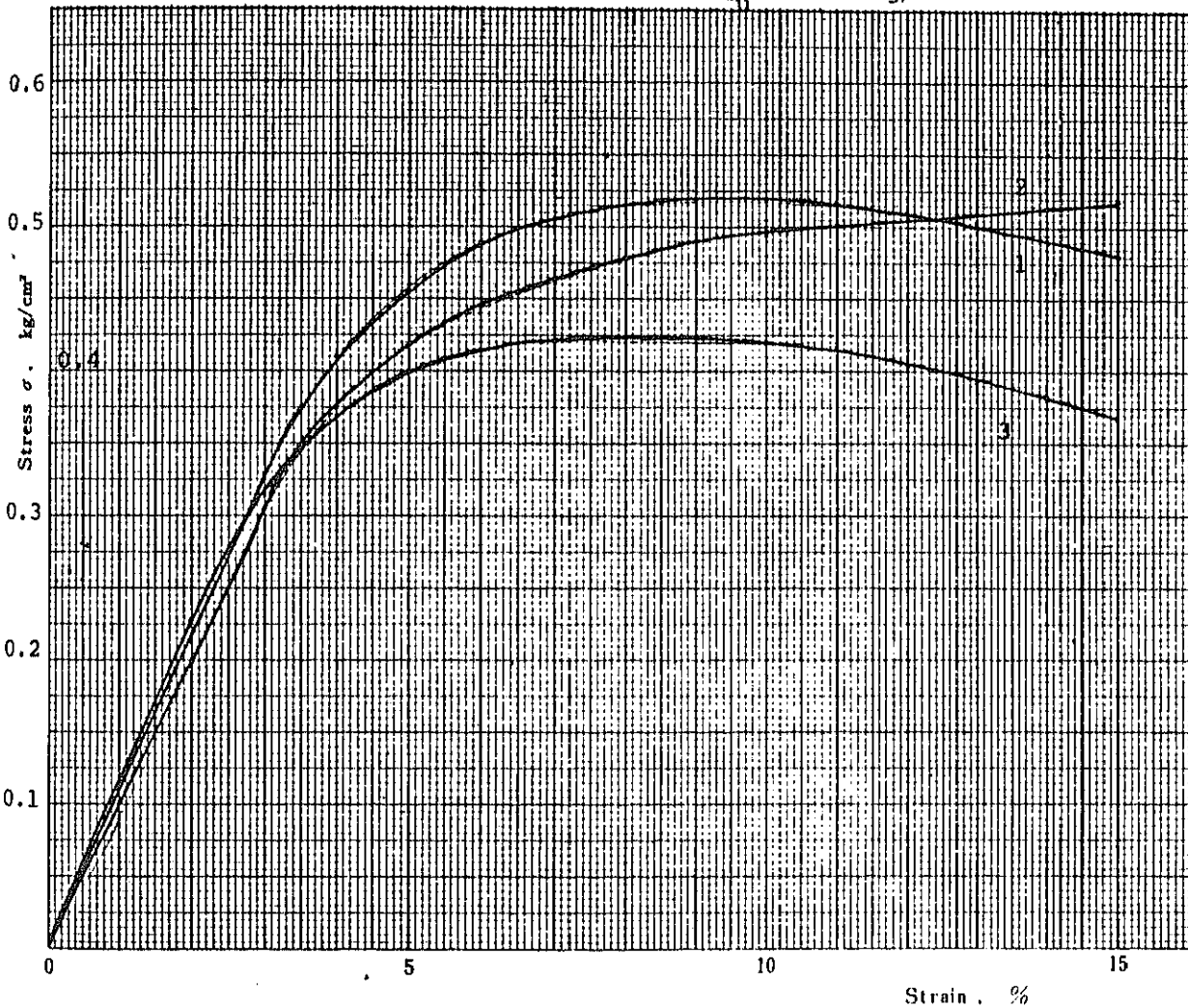
Location of Project GWADAR, PAKISTAN Boring No. B-9 Sample No. S9-3

Date of testing 4th Nov., 1979 Depth of Sample 7.00 ~ 7.28m

Strain Rate 1 %/min.

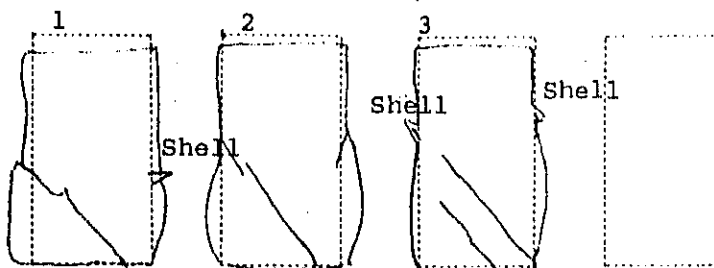
Specimen No.	Condition of sample	Size of specimen, cm.		Natural water content %	Wet density g/cm <sup>3</sup>	Unconfined compressive strength kg/cm <sup>2</sup>	Coefficient of deformation E <sub>50</sub> kg/cm <sup>2</sup>	Strain at failure %	Sensitivity ratio
		Height	Diameter						
1	UD	8.0	3.49	22.5	2.07	0.52	-	9	-
2	UD	8.0	3.50	22.5	2.05	0.52 +	-	(15)	-
3	UD	8.0	3.52	22.5	2.05	0.42	-	8	-

$$\bar{\sigma}_{11} = 0.49 \text{ Kg/cm}^2$$



Remarks.

Observation of sample at failure



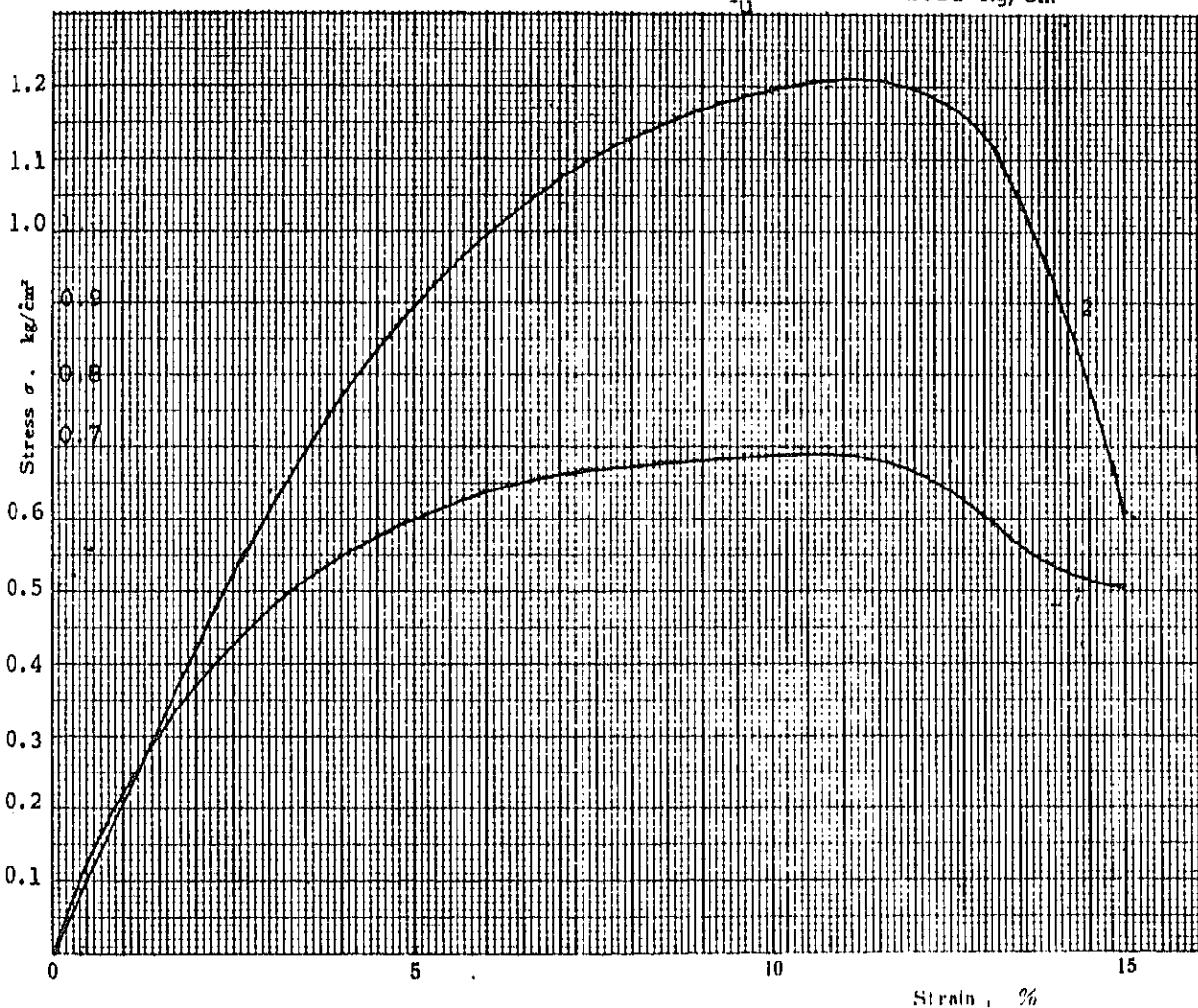
Specimens 2 & 3 cut from the same level of the same sample.

UNCONFINED TRIAXIAL COMPRESSION TEST (Stress-Strain Curves)

Project DWADAR MINI PORT Job No. \_\_\_\_\_  
 Location of Project GWADAR, PAKISTAN Boring No. B-9 Sample No. S9-3  
 Date of testing 4th Nov., 1979 Depth of Sample 7.28 ~ 7.35m  
 Strain Rate 1 %/min.

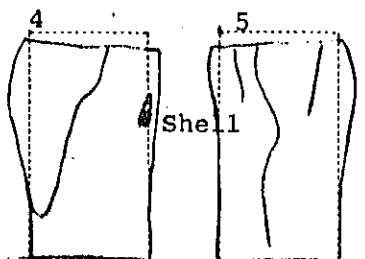
Specimen No.	Condition of sample	Size of specimen, cm.		Natural water content %	Wet density g/cm <sup>3</sup>	Unconfined compressive strength kg/cm <sup>2</sup>	Coefficient of deformation E <sub>50</sub> kg/cm <sup>2</sup>	Strain at failure %	Sensitivity ratio
		Height	Diameter						
1	UD	8.0	3.52	20.3	2.12	0.69	-	10	-
52	UD	8.0	3.50	20.3	2.12	1.21	-	12	-

$\bar{\sigma}_u = 0.69 - 1.21 \text{ Kg/cm}^2$



Remarks.

Observation of sample at failure



Silt & Sanday Silt      Sandy silt

UNCONFINED TRIAXIAL COMPRESSION TEST (Stress-Strain Curves)

Project GWADAR MINI PORT Job No. \_\_\_\_\_

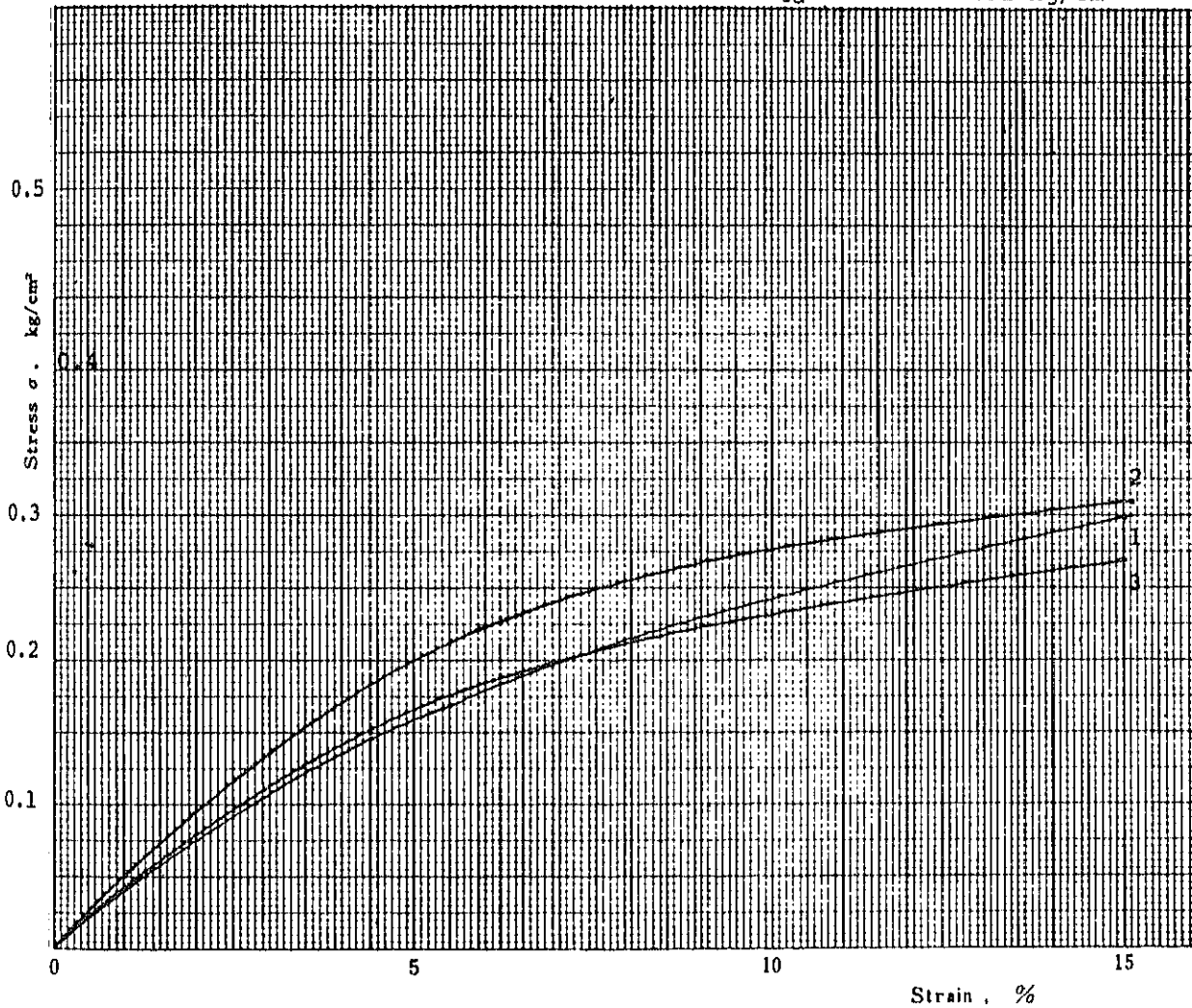
Location of Project \_\_\_\_\_ Boring No. B-10 Sample No. S10-1

Date of testing 5, Oct. 1979 Depth of Sample 1.20 ~ 1.70 m

Strain Rate 1 %/min.

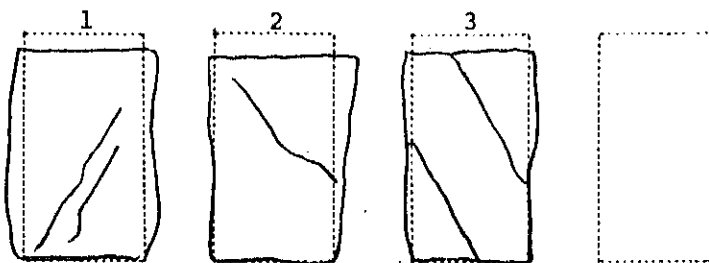
Specimen No.	Condition of sample	Size of specimen, cm.		Natural water content %	Wet density g/cm <sup>3</sup>	Unconfined compressive strength kg/cm <sup>2</sup>	Coefficient of deformation E <sub>50</sub> kg/cm <sup>2</sup>	Strain at failure %	Sensitivity ratio
		Height	Diameter						
1	UD	8.0	3.49	32.9	1.96	0.30 +	-	(15)	-
2	UD	8.0	3.51	-	1.88	0.31 +	-	(15)	-
3	UD	8.0	3.50	-	1.93	0.27 +	-	(15)	-

$q_u = 0.27 - 0.31 \text{ kg/cm}^2$



Remarks.

Observation of sample at failure



**UNCONFINED TRIAXIAL COMPRESSION TEST (Stress-Strain Curves)**

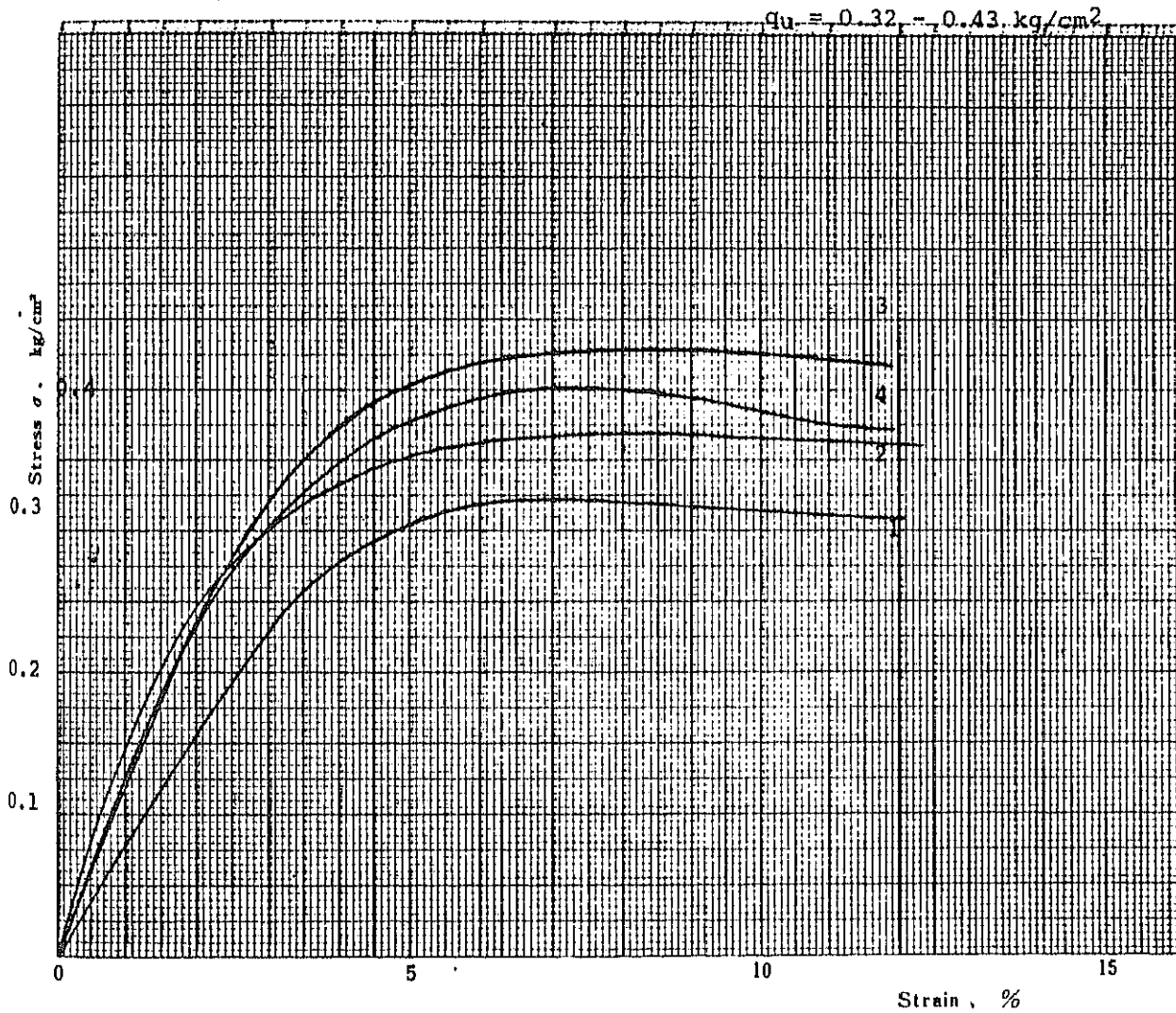
Project GWADAR MINI PORT Job No. \_\_\_\_\_

Location of Project GWADAR Boring No. B - 10 Sample No. S10-3

Date of testing 5 Oct., 1979 Depth of Sample 3.5 ~ 4.34m

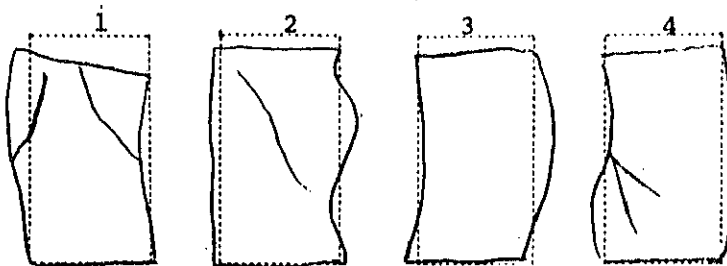
Strain Rate \_\_\_\_\_ | %/min.

Specimen No.	Condition of sample	Size of specimen, cm.		Natural water content %	Wet density g/cm <sup>3</sup>	Unconfined compressive strength kg/cm <sup>2</sup>	Coefficient of deformation E <sub>50</sub> kg/cm <sup>2</sup>	Strain at failure %	Sensitivity ratio
		Height	Diameter						
1	UD	8.0	3.49	28.8	1.97	0.32	—	7.0	—
2	UD	8.0	3.51		1.97	0.37	—	9.0	—
3	UD	8.0	3.51		1.97	0.43	—	8.5	—
4	UD	8.0	3.53		2.01	0.40	—	7.5	—



Remarks.

Observation of sample at failure

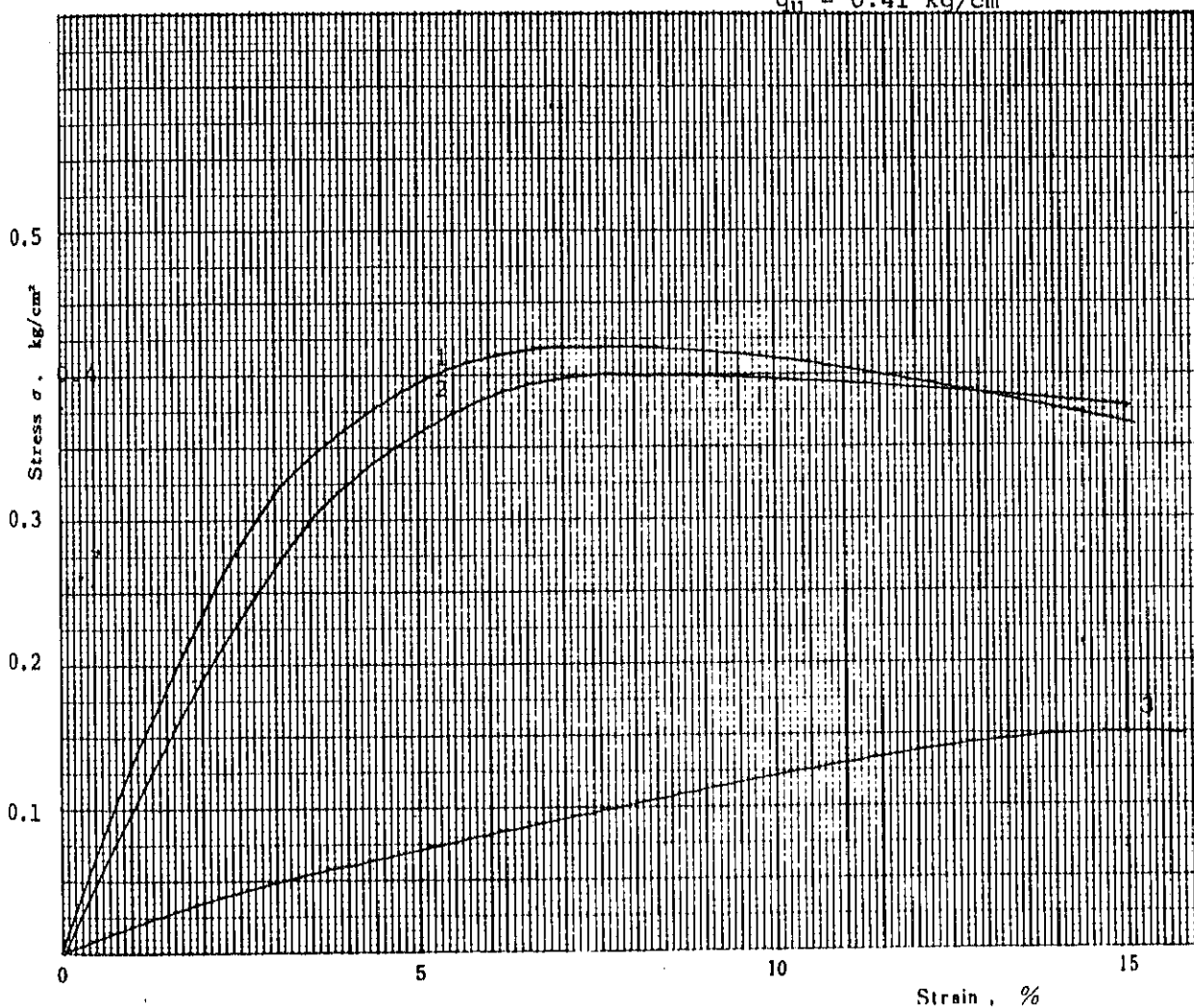


UNCONFINED TRIAXIAL COMPRESSION TEST (Stress-Strain Curves)

Project GWADAR MINI PORT Job No. \_\_\_\_\_  
 Location of Project GWADAR Boring No. B - 10 Sample No. S10-5  
 Date of testing 7 Oct., 1979 Depth of Sample 5.7 ~ 6.2m  
 Strain Rate 1 %/min.

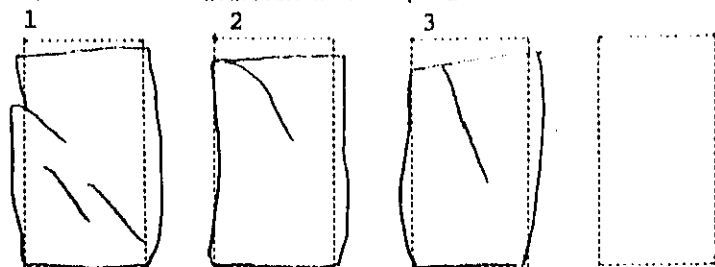
Specimen No.	Condition of sample	Size of specimen, cm.		Natural water content %	Wet density g/cm <sup>3</sup>	Unconfined compressive strength kg/cm <sup>2</sup>	Coefficient of deformation E <sub>50</sub> kg/cm <sup>2</sup>	Strain at failure %	Sensitivity ratio
		Height	Diameter						
1		8	3.52	25.7	2.03	0.42	-	7.0	-
2		8	3.51		2.04	0.40	-	8.0	-
3	Remolded (No. 2)	8	3.63		0.15	-	(15)	2.7	

$\bar{\sigma}_{11} = 0.41 \text{ kg/cm}^2$



Remarks.

Observation of sample at failure

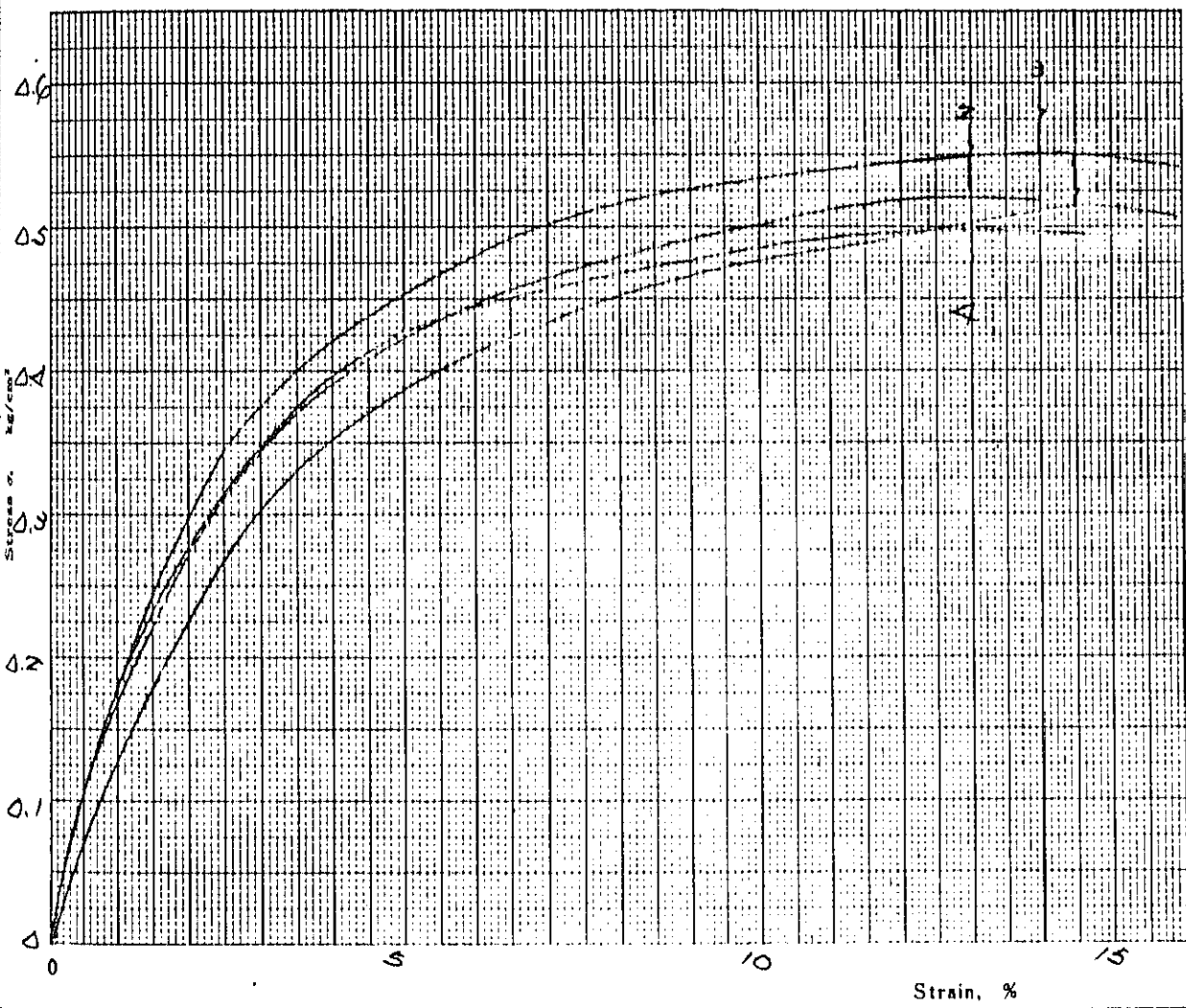




**UNCONSOLIDATED-UNDRAINED TRIAXIAL COMPRESSION TEST (Stress-Strain Curves)**

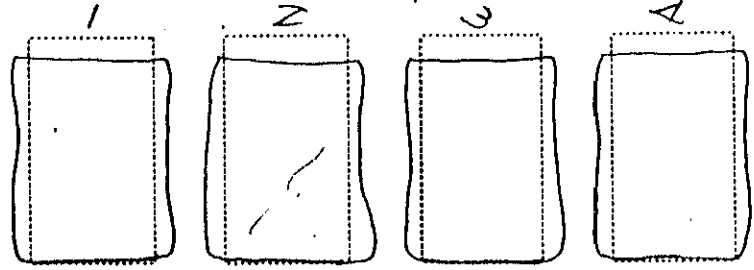
Project GWADAR MINI PORT Job No. \_\_\_\_\_  
 Location of Project GWADAR, PAKISTAN Boring No. B-1 Sample No. S1-2  
 Date of testing Nov. 17, 1979 Depth of Sample 4.00m - 4.84m  
 Strain Rate 1 %/min.

Specimen No.	Condition of sample	Size of specimen, cm.		Natural water content %	Wet density g/cm <sup>3</sup>	Peak deviator stress kg/cm <sup>2</sup>	Coefficient of deformation E <sub>so</sub> kg/cm <sup>2</sup>	Strain at failure %	Confining pressure kg/cm <sup>2</sup>
		Height	Diameter						
1	Undisturbed	6.98	3.52	26.0	2.01	0.515	11	14.5	0.2
2	"	6.98	3.51	26.5	2.02	0.520	14	13.0	0.8
3	"	6.99	3.51	26.7	2.01	0.551	15	14.0	1.2
4	"	6.98	3.52	26.9	2.02	0.498	15	13.0	2.0



Remarks.

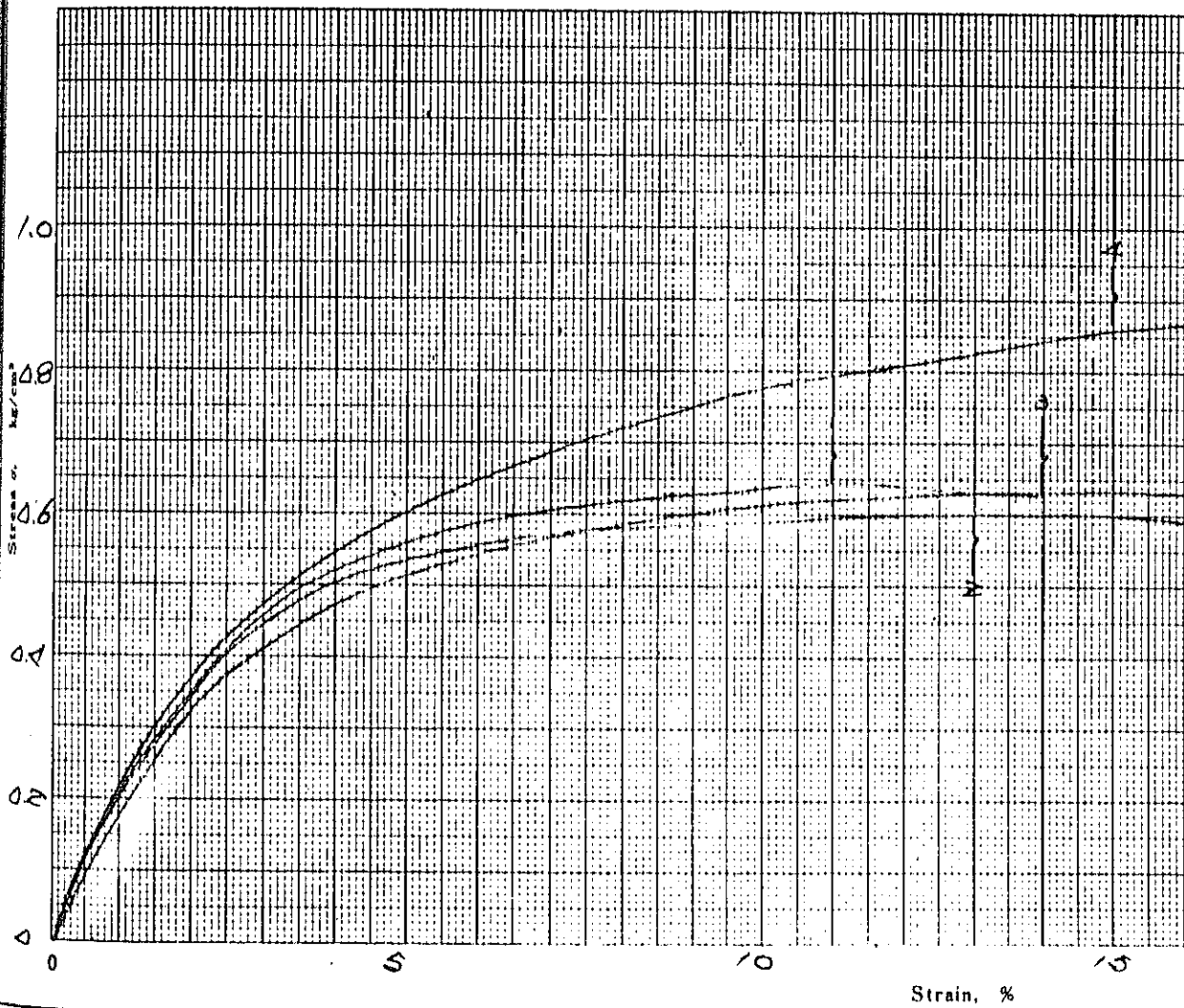
Observation of sample at failure



UNCONSOLIDATED-UNDRAINED TRIAXIAL COMPRESSION TEST (Stress-Strain Curves)

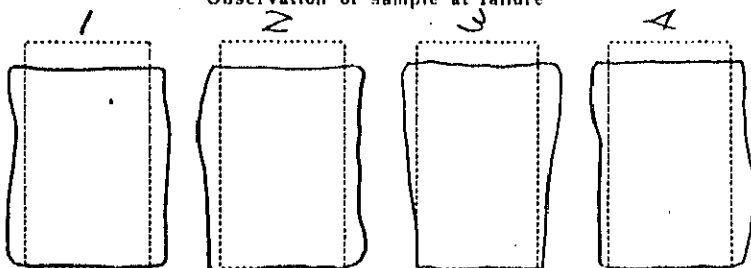
Project GWADAR MINI PORT Job No. \_\_\_\_\_  
 Location of Project GWADAR, PAKISTAN Boring No. B-1 Sample No. S1-3  
 Date of testing Nov. 17, 1979 Depth of Sample 6.00m - 6.79m  
 Strain Rate 1 %/min.

Specimen No.	Condition of sample	Size of specimen, cm.		Natural water content %	Wet density g/cm <sup>3</sup>	Peak deviator stress kg/cm <sup>2</sup>	Coefficient of deformation E <sub>50</sub> kg/cm <sup>2</sup>	Strain at failure %	Confining pressure kg/cm <sup>2</sup>
		Height	Diameter						
1	Undisturbed	6.96	3.52	22.7	2.10	0.644	18	11	0.2
2	"	6.97	3.51	21.4	2.10	0.600	18	13	0.8
3	"	6.94	3.53	21.2	2.11	0.633	16	14	1.2
4	"	6.92	3.52	21.4	2.12	0.860	17	(15)	2.0



Remarks.

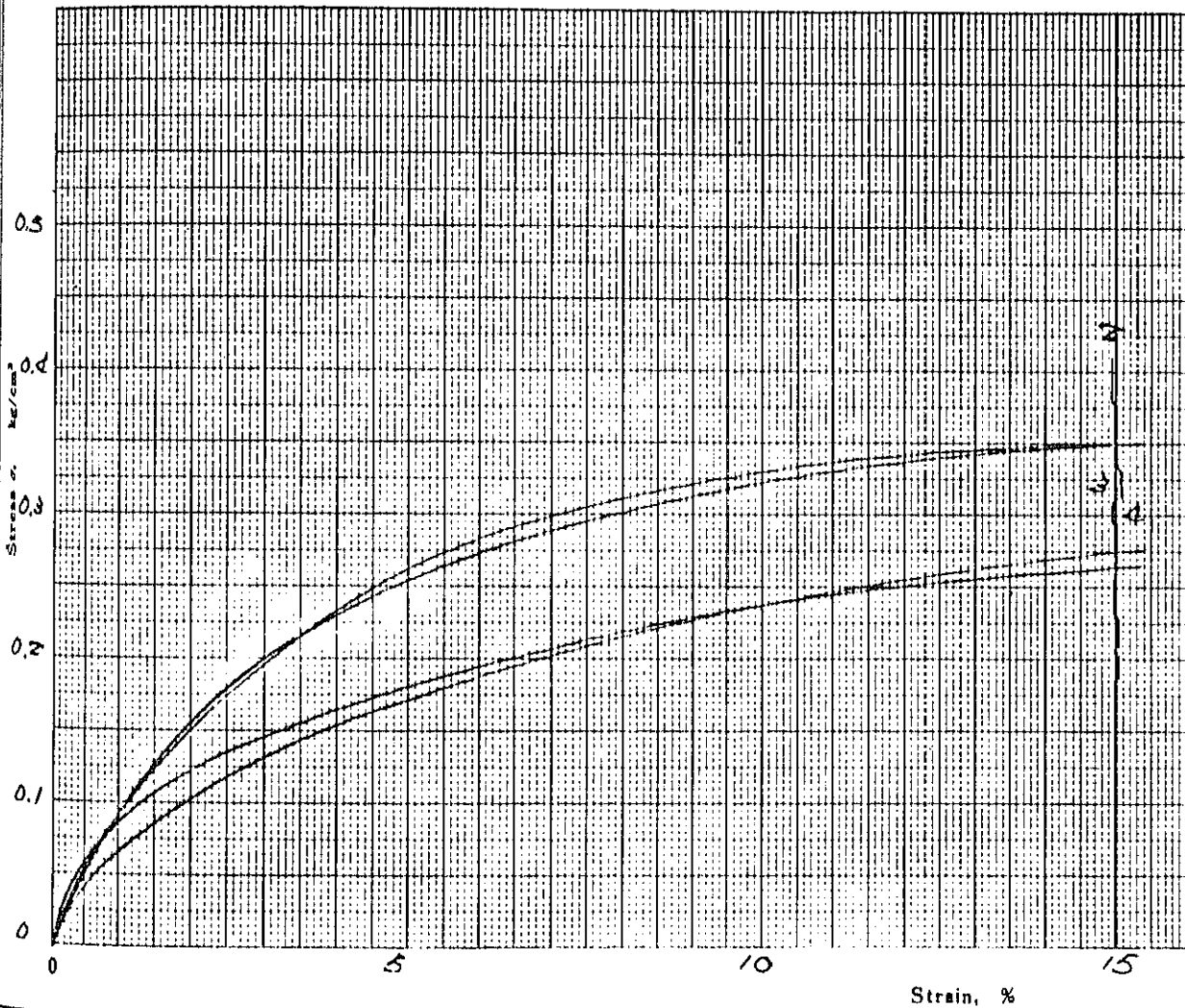
Observation of sample at failure



UNCONSOLIDATED-UNDRAINED TRIAXIAL COMPRESSION TEST (Stress-Strain Curves)

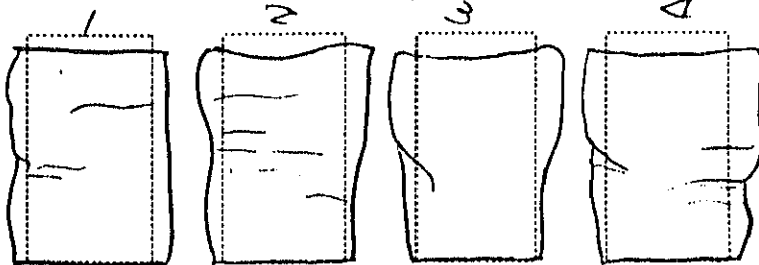
Project GWADAR MINI PORT Job No. \_\_\_\_\_  
 Location of Project GWADAR, PAKISTAN Boring No. B-2 Sample No. S2-1  
 Date of testing Oct. 18, 1979 Depth of Sample 2.50m - 3.20m  
 Strain Rate 1 %/min.

Specimen No.	Condition of sample	Size of specimen, cm.		Natural water content %	Wet density g/cm <sup>3</sup>	Peak deviator stress kg/cm <sup>2</sup>	Coefficient of deformation E <sub>50</sub> kg/cm <sup>2</sup>	Strain at failure %	Confining pressure kg/cm <sup>2</sup>
		Height	Diameter						
1	Undisturbed	6.97	3.50	29.0	1.98	0.266	6	(15.0)	0.2
2	"	7.00	3.50	29.1	1.97	0.329	7	(15.0)	0.8
3	"	7.01	3.29	40.7	1.96	0.275	4	(15.0)	1.2
4	"	6.92	3.50	40.8	1.96	0.329	7	(15.0)	2.0



Remarks.

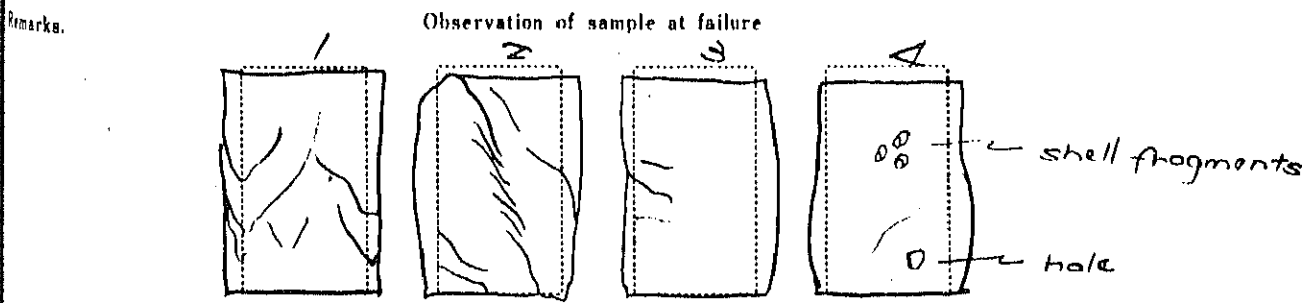
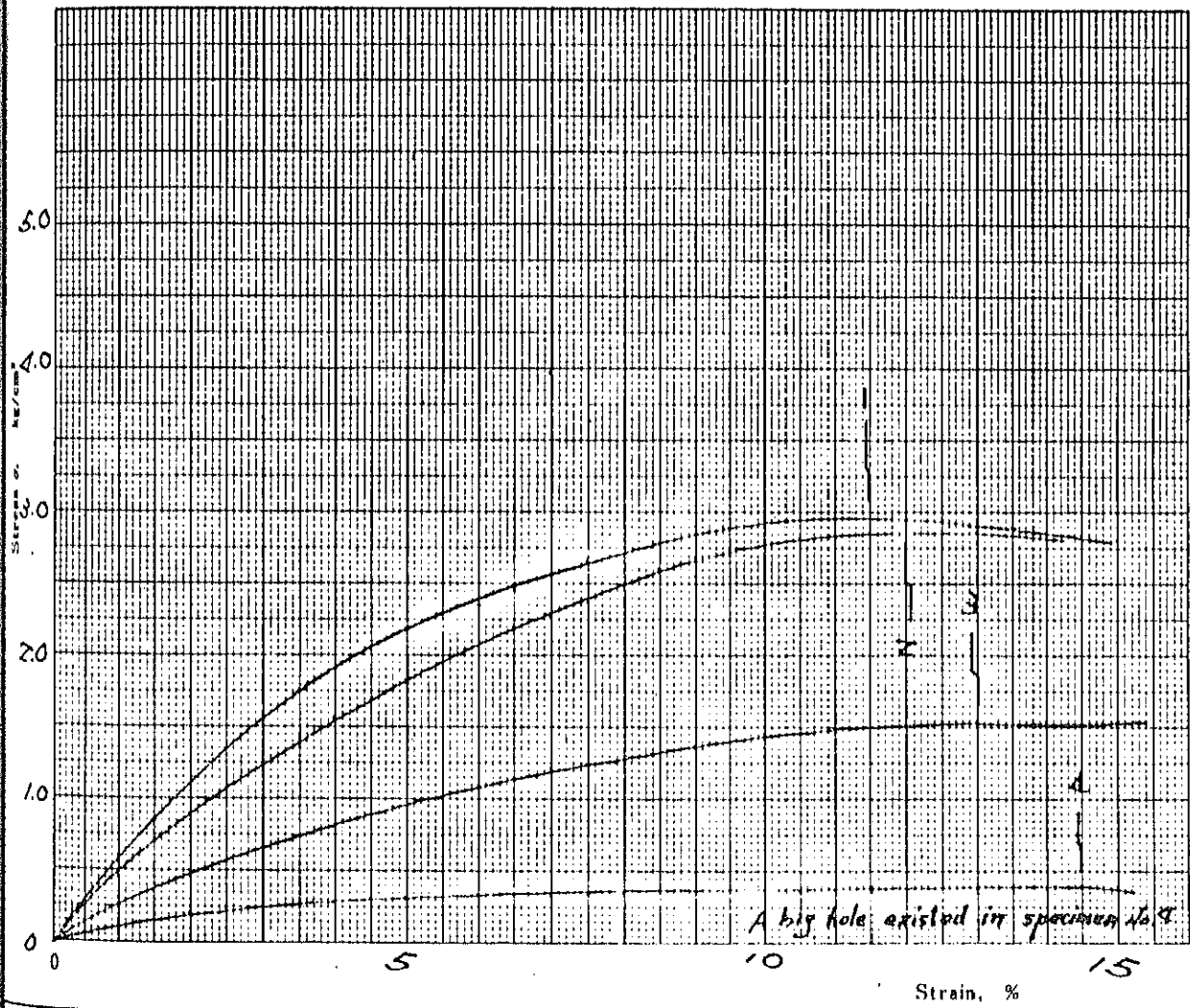
Observation of sample at failure



UNCONSOLIDATED-UNDRAINED TRIAXIAL COMPRESSION TEST (Stress-Strain Curves)

Project GWADAR MINI PORT Job No. \_\_\_\_\_  
 Location of Project GWADAR, PAKISTAN Boring No. B-2 Sample No. S2-2  
 Date of testing Oct. 18, 1979 Depth of Sample 4.00m - 4.70m  
 Strain Rate 1 %/min.

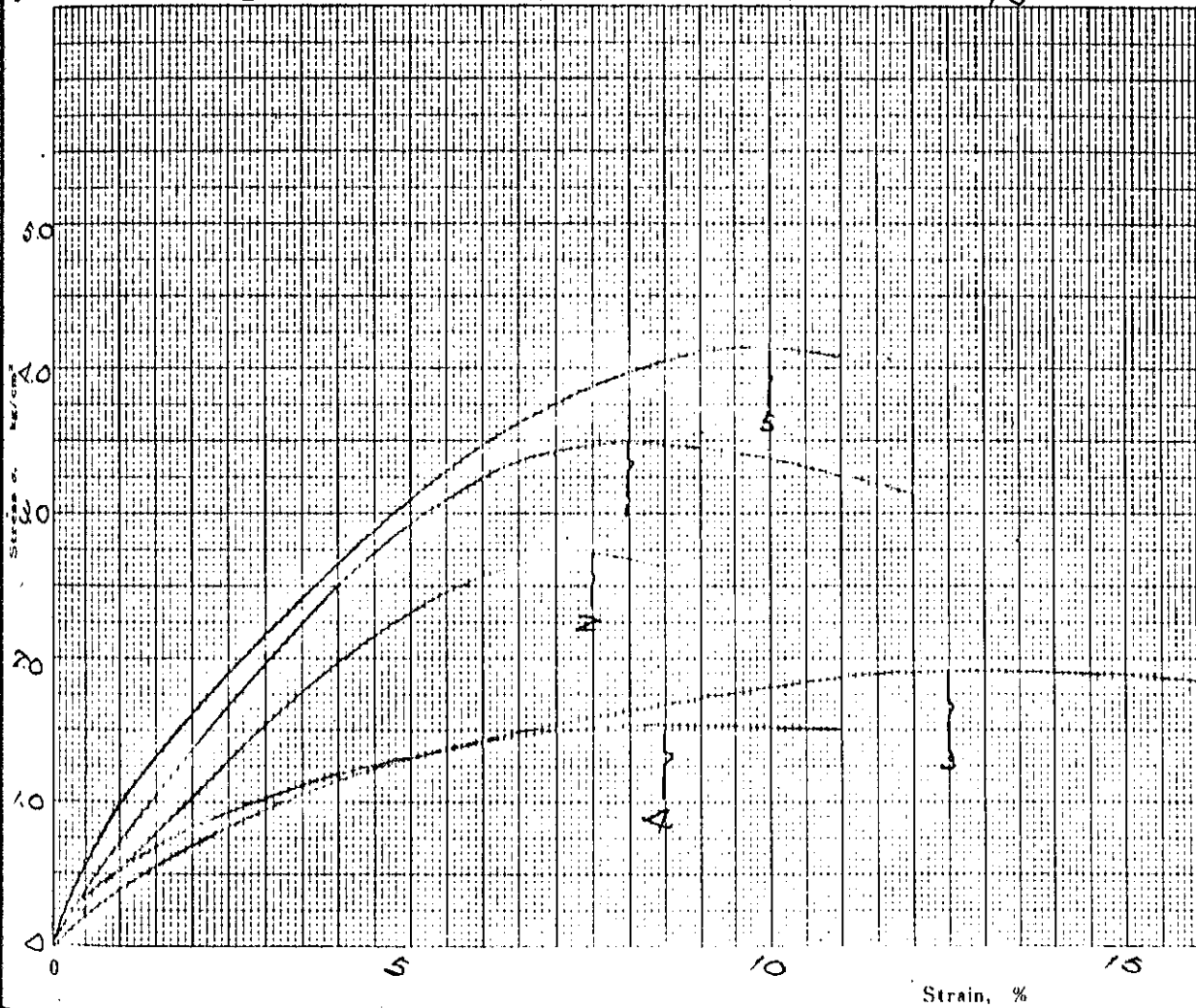
Specimen No.	Condition of sample	Size of specimen, cm.		Natural water content %	Wet density g/cm <sup>3</sup>	Peak deviator stress kg/cm <sup>2</sup>	Coefficient of deformation E <sub>50</sub> kg/cm <sup>2</sup>	Strain at failure %	Confining pressure kg/cm <sup>2</sup>
		Height	Diameter						
1	Undisturbed	7.01	3.50	21.1	2.08	2.968	52	11.5	0.2
2	"	7.01	3.49	21.7	2.08	2.871	39	12.0	0.8
3	"	6.95	3.49	21.4	2.09	1.540	21	13.0	1.4
4	"	6.95	3.48	22.7	2.10	0.378	10	14.5	2.0



**UNCONSOLIDATED-UNDRAINED TRIAXIAL COMPRESSION TEST (Stress-Strain Curves)**

Project GWADAR MINI PORT Job No. \_\_\_\_\_  
 Location of Project GWADAR, PAKISTAN Boring No. B-2 Sample No. S2-3D Bottom  
 Date of testing Oct. 18, 1979 Depth of Sample 7.40m - 7.80m  
 Strain Rate 1 %/min.

Specimen No.	Condition of sample	Size of specimen, cm.		Natural water content %	Wet density g/cm <sup>3</sup>	Peak deviator stress kg/cm <sup>2</sup>	Coefficient of deformation E <sub>50</sub> kg/cm <sup>2</sup>	Strain at failure %	Confining pressure kg/cm <sup>2</sup>
		Height	Diameter						
1	Undisturbed	7.02	3.50	18.4	2.15	3.49	67	8.0	0.4
2	"	6.98	3.51	17.6	2.16	2.72	52	7.5	1.0
3	"	7.00	3.50	19.0	2.14	1.92	31	12.5	1.6
4	"	6.98	3.51	19.8	2.13	1.54	42	8.5	2.2
5	"	6.99	3.50	18.1	2.15	4.15	73	10.0	2.2

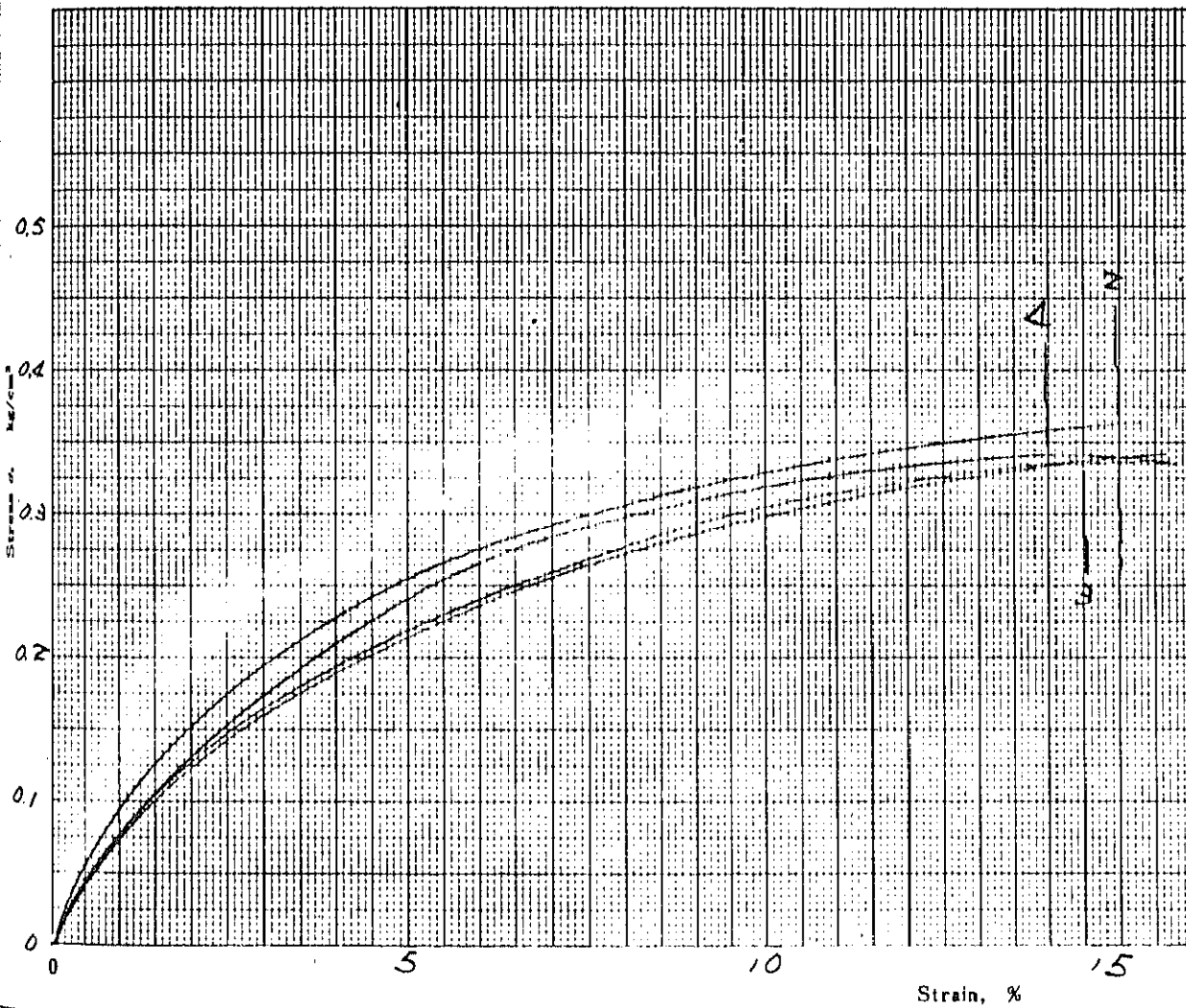


Remarks. Observation of sample at failure

UNCONSOLIDATED-UNDRAINED TRIAXIAL COMPRESSION TEST (Stress-Strain Curves)

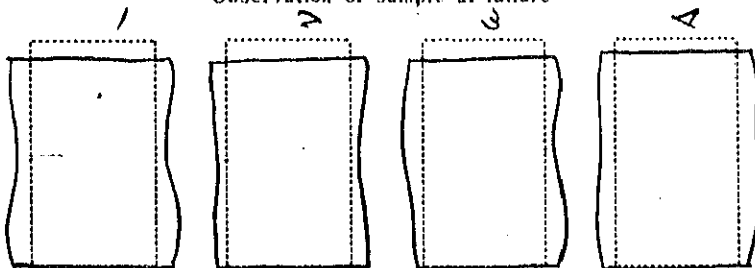
Project GWADAR MINI PORT Job No. \_\_\_\_\_  
 Location of Project GWADAR, PAKISTAN Boring No. B-3 Sample No. S3-2  
 Date of testing Oct. 19, 1979 Depth of Sample 3.00m - 3.80m  
 Strain Rate 1 %/min.

Specimen No.	Condition of sample	Size of specimen, cm.		Natural water content %	Wet density g/cm <sup>3</sup>	Peak deviator stress kg/cm <sup>2</sup>	Coefficient of deformation E <sub>50</sub> kg/cm <sup>2</sup>	Strain at failure %	Confining pressure kg/cm <sup>2</sup>
		Height	Diameter						
1	Undisturbed	7.05	3.45	28.5	2.02	0.341	5	(15.0)	0.2
2	"	7.06	3.47	28.6	1.99	0.359	7	(15.0)	0.8
3	"	6.99	3.48	30.3	1.96	0.337	5	14.5	1.2
4	"	7.00	3.46	30.1	1.99	0.342	6	14.0	2.0



Remarks.

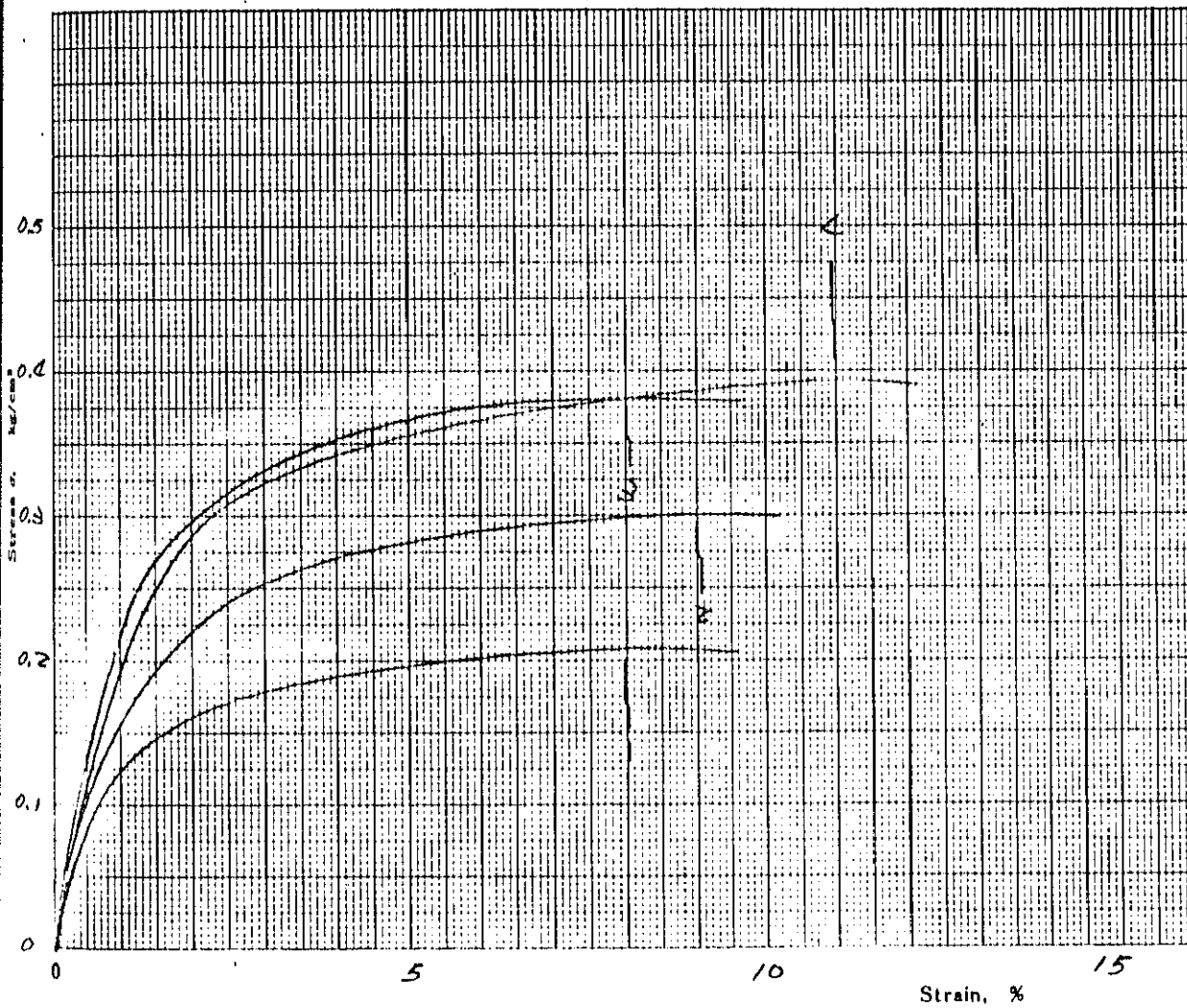
Observation of sample at failure



**UNCONSOLIDATED-UNDRAINED TRIAXIAL COMPRESSION TEST (Stress-Strain Curves)**

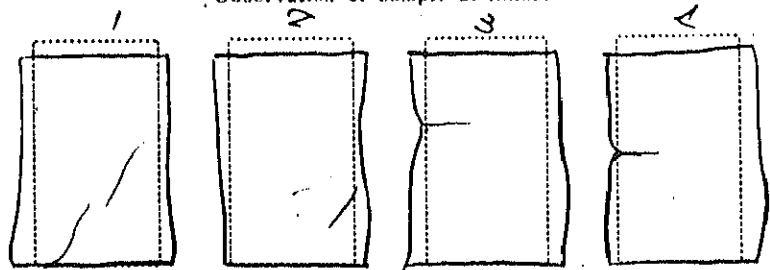
Project GWADAR MINI PORT Job No. \_\_\_\_\_  
 Location of Project GWADAR, PAKISTAN Boring No. B-3 Sample No. S3-3  
 Date of testing Oct. 18, 1979 Depth of Sample 5.00m - 5.82m  
 Strain Rate 1 %/min.

Specimen No.	Condition of sample	Size of specimen, cm.		Natural water content %	Wet density g/cm <sup>3</sup>	Peak deviator stress kg/cm <sup>2</sup>	Coefficient of deformation E <sub>50</sub> kg/cm <sup>2</sup>	Strain at failure %	Confining pressure kg/cm <sup>2</sup>
		Height	Diameter						
1	Undisturbed	6.98	3.27	30.0	1.96	0.210	15	8.0	0.2
2	"	6.98	3.25	29.2	1.95	0.302	16	9.0	0.8
3	"	7.00	3.25	27.4	1.99	0.381	22	8.0	1.2
4	"	7.00	3.25	28.0	1.98	0.394	19	11.0	2.0



Remarks.

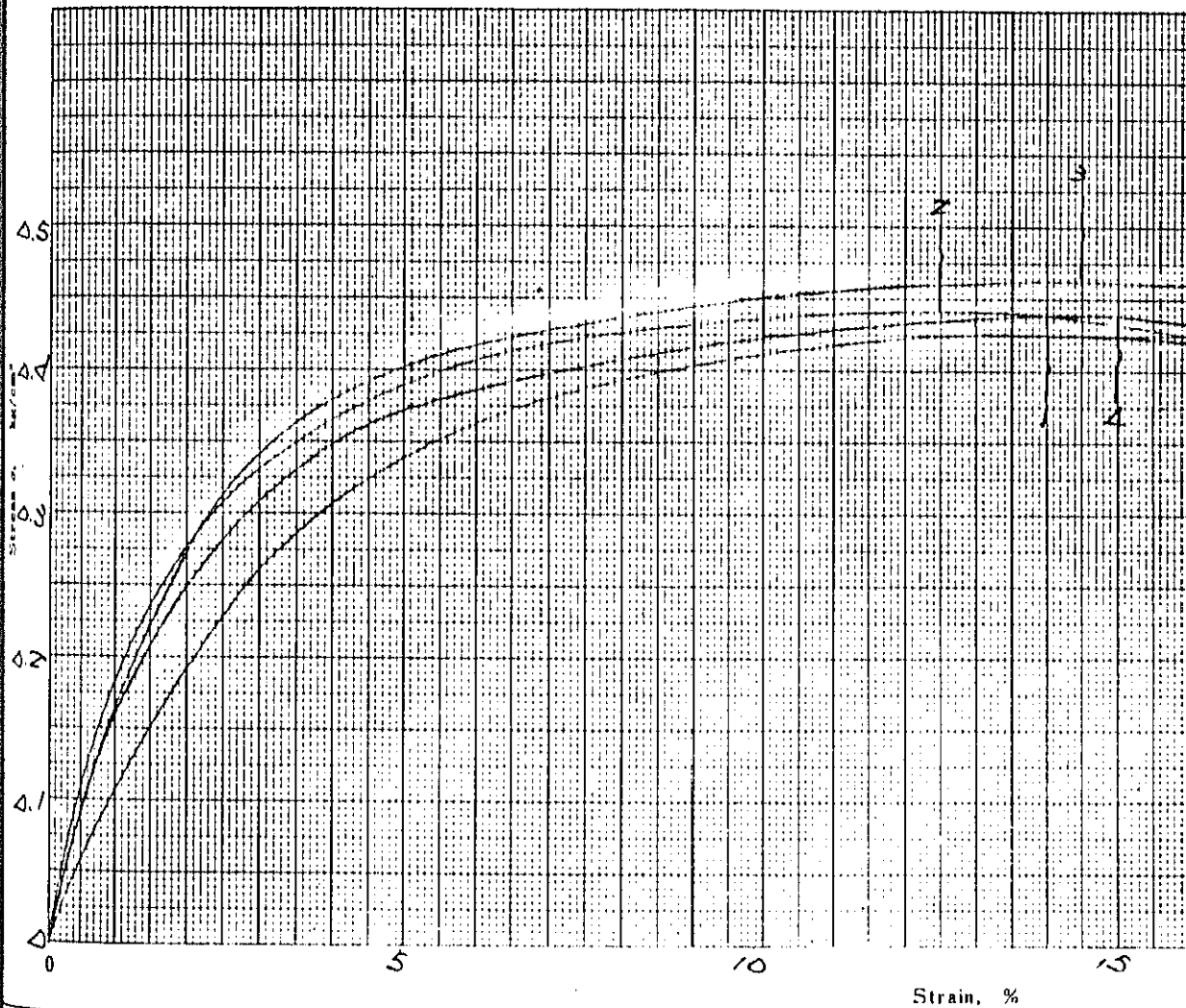
Observation of sample at failure



UNCONSOLIDATED-UNDRAINED TRIAXIAL COMPRESSION TEST (Stress-Strain Curves)

Project GWADAR MINI PORT Job No. \_\_\_\_\_  
 Location of Project GWADAR, PAKISTAN Boring No. B-3<sup>1</sup> Sample No. S3<sup>1</sup>-2  
 Date of testing Nov. 24, 1979 Depth of Sample 3.00m - 3.84m  
 Strain Rate 1 %/min.

Specimen No.	Condition of sample	Size of specimen, cm.		Natural water content %	Wet density g/cm <sup>3</sup>	Peak deviator stress kg/cm <sup>2</sup>	Coefficient of deformation E <sub>50</sub> kg/cm <sup>2</sup>	Strain at failure %	Confining pressure kg/cm <sup>2</sup>
		Height	Diameter						
1	Undisturbed	7.08	3.50	26.5	204	0.425	9	12.0	0.4
2	"	7.10	3.50	26.6	204	0.442	16	12.5	1.0
3	"	7.10	3.53	26.7	205	0.463	14	14.5	1.6
4	"	7.12	3.53	28.6	201	0.440	13	(15.0)	2.2



Remarks. \_\_\_\_\_

Observation of sample at failure

1

2

3

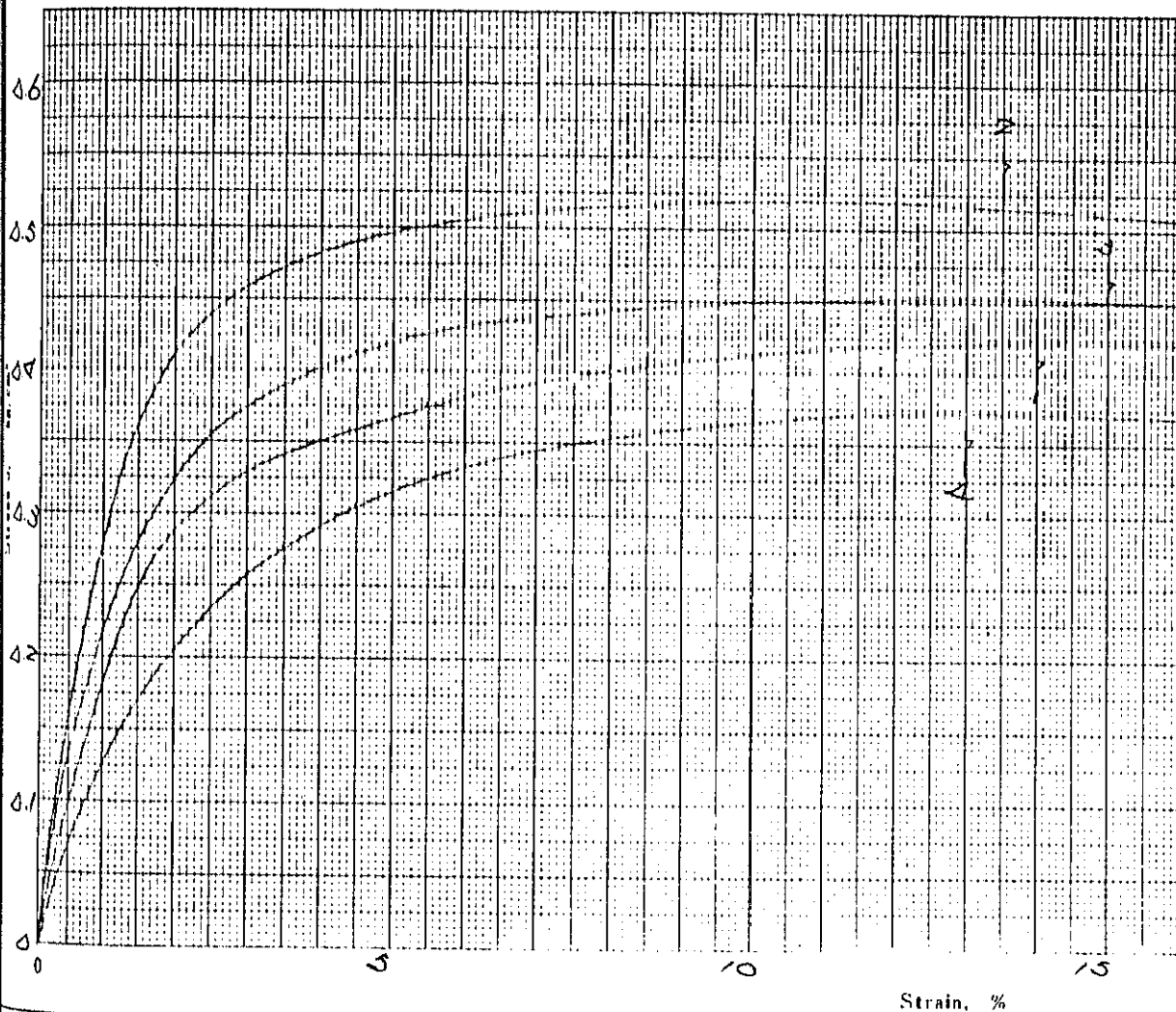
4



UNCONSOLIDATED-UNDRAINED TRIAXIAL COMPRESSION TEST (Stress-Strain Curves)

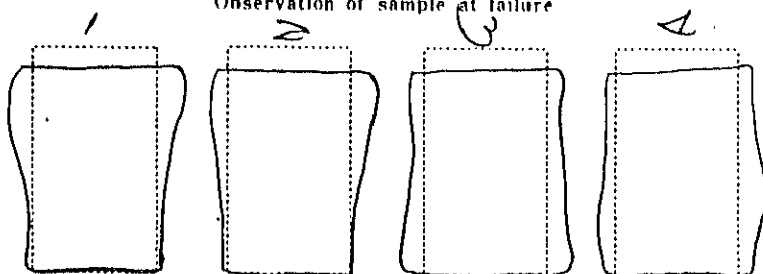
Project GWADAR MINI PORT Job No. \_\_\_\_\_  
 Location of Project GWADAR, PAKISTAN Boring No. B-3' Sample No. S3'-4  
 Date of testing Nov. 24, 1979 Depth of Sample 5.00m - 5.85m  
 Strain Rate 1 %/min.

Specimen No.	Condition of sample	Size of specimen, cm.		Natural water content %	Wet density g/cm <sup>3</sup>	Peak deviator stress kg/cm <sup>2</sup>	Coefficient of deformation E <sub>50</sub> kg/cm <sup>2</sup>	Strain at failure %	Confining pressure kg/cm <sup>2</sup>
		Height	Diameter						
1	Undisturbed	7.08	3.53	22.6	205	0.422	18	14.0	0.2
2	"	7.08	3.52	23.6	208	0.516	29	13.5	1.0
3	"	7.06	3.53	21.5	206	0.451	21	(15)	1.6
4	"	7.02	3.52	25.0	206	0.372	11	13	2.2



Remarks.

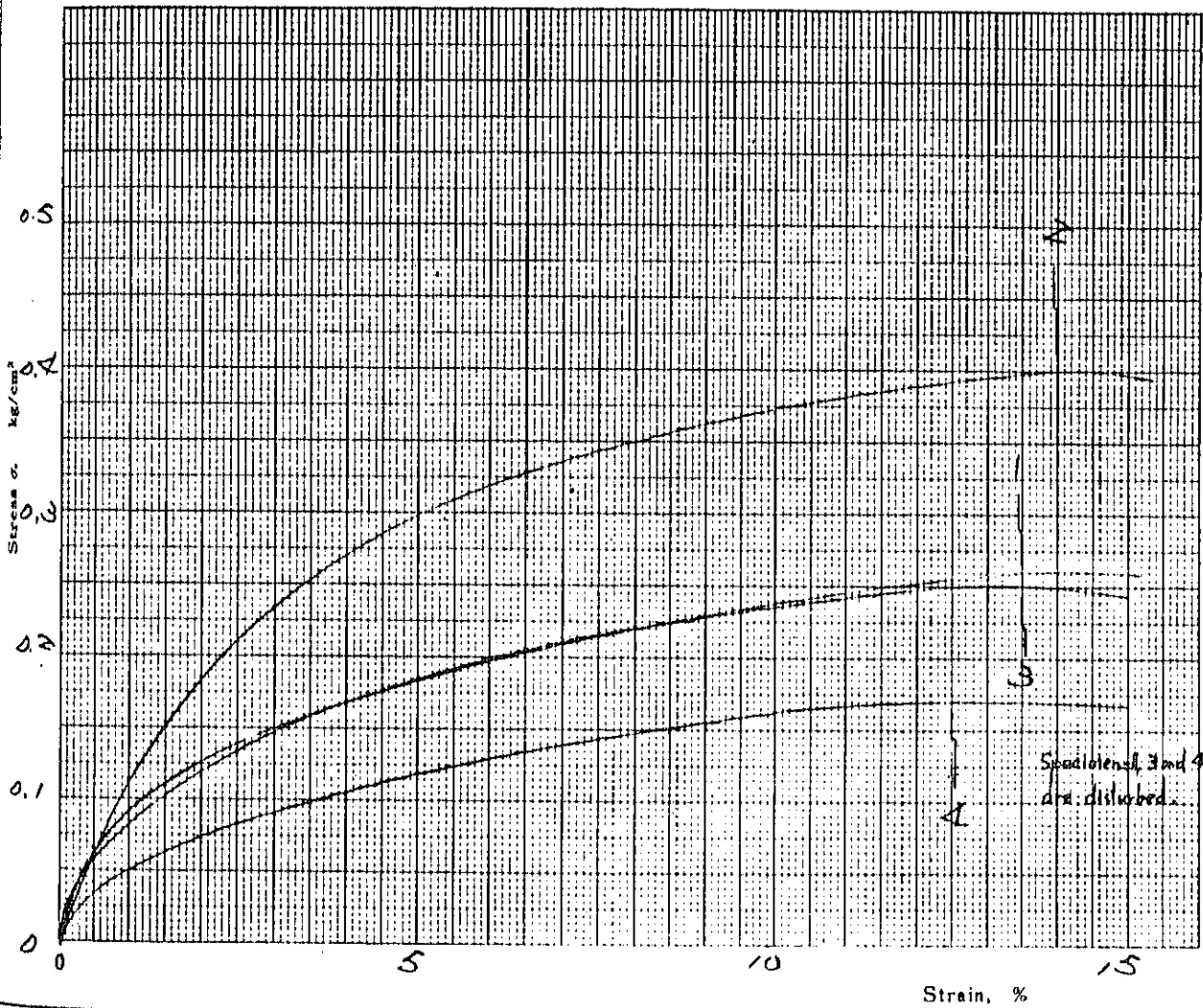
Observation of sample at failure



UNCONSOLIDATED-UNDRAINED TRIAXIAL COMPRESSION TEST (Stress-Strain Curves)

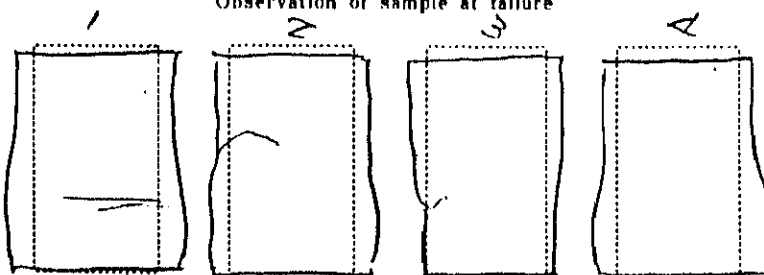
Project GWADAR MINI PORT Job No. \_\_\_\_\_  
 Location of Project GWADAR, PAKISTAN Boring No. B-4 Sample No. S4-3  
 Date of testing Nov. 5, 1979 Depth of Sample 4.00m - 4.85m  
 Strain Rate 1 %/min.

Specimen No.	Condition of sample	Size of specimen, cm.		Natural water content %	Wet density g/cm <sup>3</sup>	Peak deviator stress kg/cm <sup>2</sup>	Coefficient of deformation E <sub>50</sub> kg/cm <sup>2</sup>	Strain at failure %	Confining pressure kg/cm <sup>2</sup>
		Height	Diameter						
1	Undisturbed	7.03	3.48	28.1	2.00	0.261	6	13.5	0.2
2	"	7.02	3.49	27.9	2.00	0.399	9	14.0	0.8
3	"	7.03	3.48	28.6	1.98	0.246	5	13.5	1.4
4	"	7.03	3.48	28.6	1.99	0.170	3	12.5	2.0



Remarks.

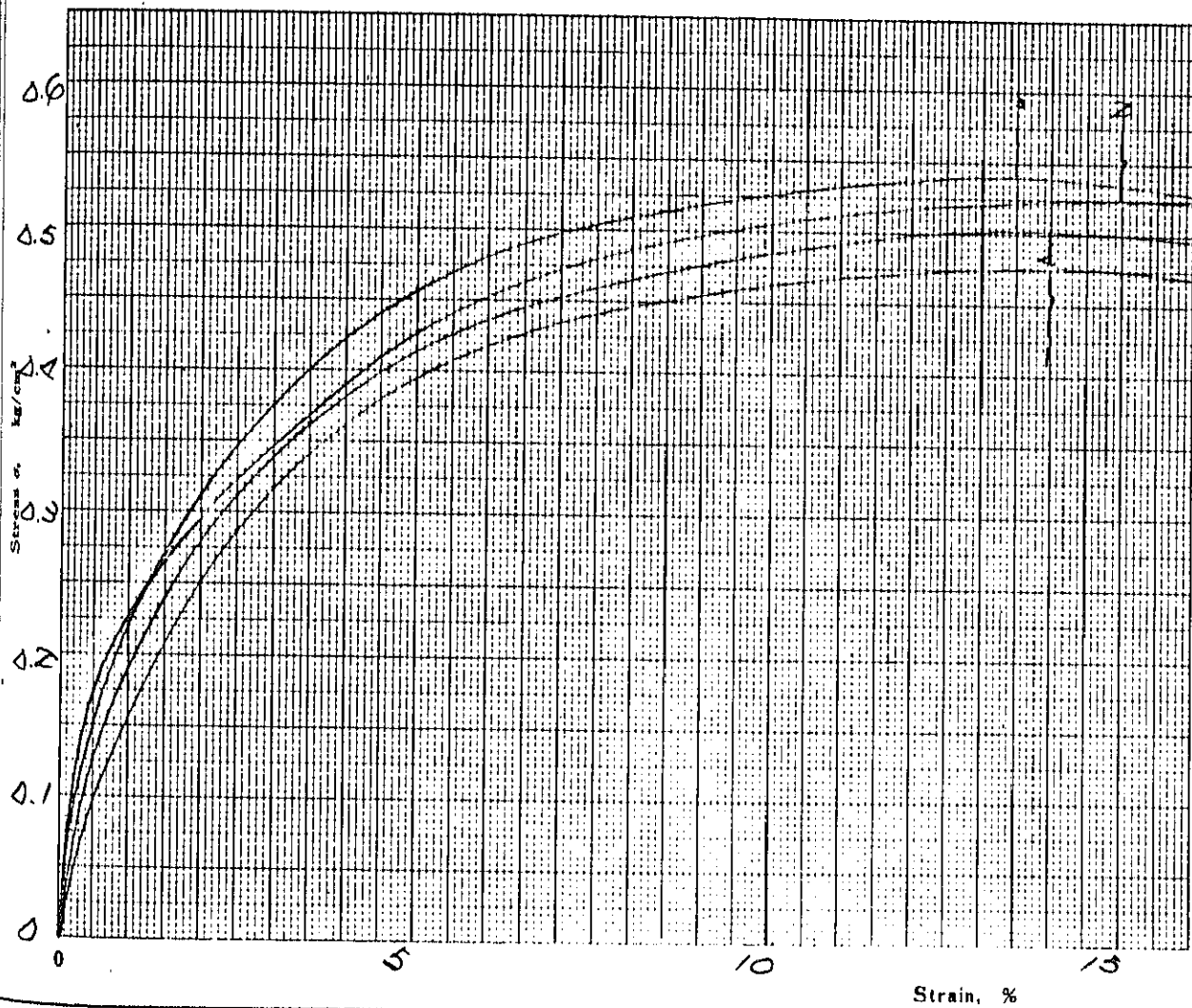
Observation of sample at failure



**UNCONSOLIDATED-UNDRAINED TRIAXIAL COMPRESSION TEST (Stress-Strain Curves)**

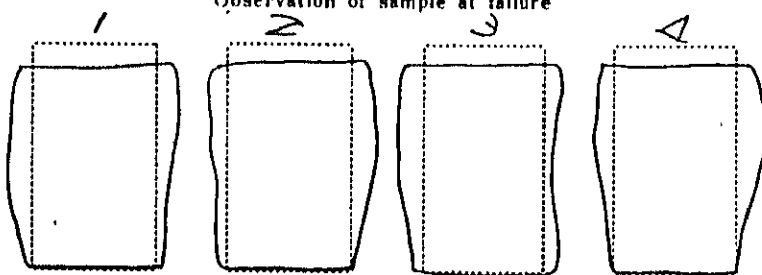
Project GWADAR MINI PORT Job No. \_\_\_\_\_  
 Location of Project GWADAR, PAKISTAN Boring No. B-4 Sample No. S4-4 Top  
 Date of testing Nov. 5, 1979 Depth of Sample 5.00m - 5.50m  
 Strain Rate 1 %/min.

Specimen No.	Condition of sample	Size of specimen, cm.		Natural water content %	Wet density g/cm <sup>3</sup>	Peak deviator stress kg/cm <sup>2</sup>	Coefficient of deformation E <sub>50</sub> kg/cm <sup>2</sup>	Strain at failure %	Confining pressure kg/cm <sup>2</sup>
		Height	Diameter						
1	Undisturbed	6.98	3.49	26.6	2.03	0.277	13	14	0.2
2	"	6.99	3.49	26.3	2.01	0.525	18	(15)	0.8
3	"	6.99	3.48	26.8	2.01	0.540	18	13.5	1.4
4	"	6.98	3.49	26.5	2.03	0.504	16	14	2.0



Remarks.

Observation of sample at failure



**UNCONSOLIDATED-UNDRAINED TRIAXIAL COMPRESSION TEST (Stress-Strain Curves)**

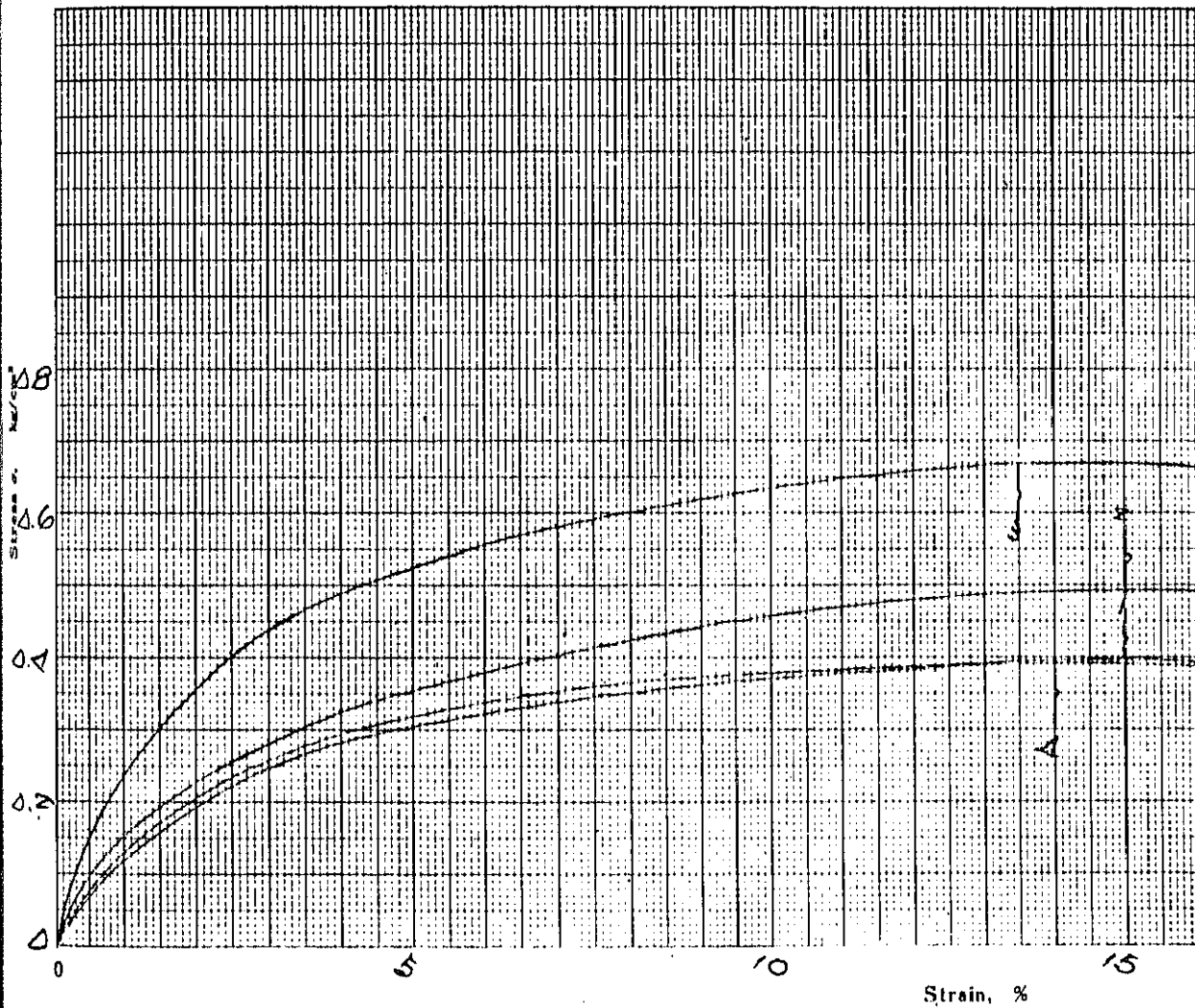
Project GWADAR MINI PORT Job No. \_\_\_\_\_

Location of Project GWADAR, PAKISTAN Boring No. B-4 Sample No. S4-4 Bottom

Date of testing Nov. 5, 1979 Depth of Sample 5.50m - 5.87m

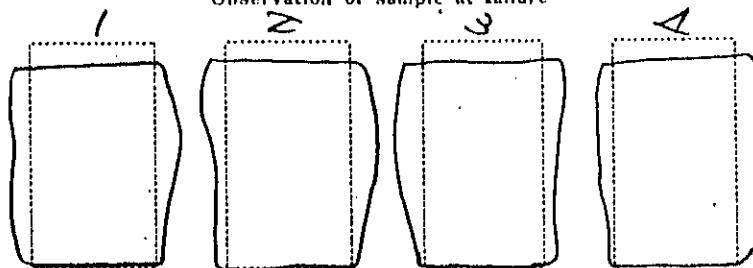
Strain Rate 1 %/min.

Specimen No.	Condition of sample	Size of specimen, cm.		Natural water content %	Wet density g/cm <sup>3</sup>	Peak deviator stress kg/cm <sup>2</sup>	Coefficient of deformation E <sub>50</sub> kg/cm <sup>2</sup>		Strain at failure %	Confining pressure kg/cm <sup>2</sup>
		Height	Diameter							
1	Undisturbed	7.00	3.48	24.0	2.05	0.399	11	(15)	0.2	
2	"	6.97	3.48	23.3	2.08	0.490	11	(15)	0.8	
3	"	6.98	3.49	22.6	2.06	0.670	19	13.5	1.4	
4	"	7.03	3.48	24.8	2.07	0.391	10	14	2.0	



Remarks.

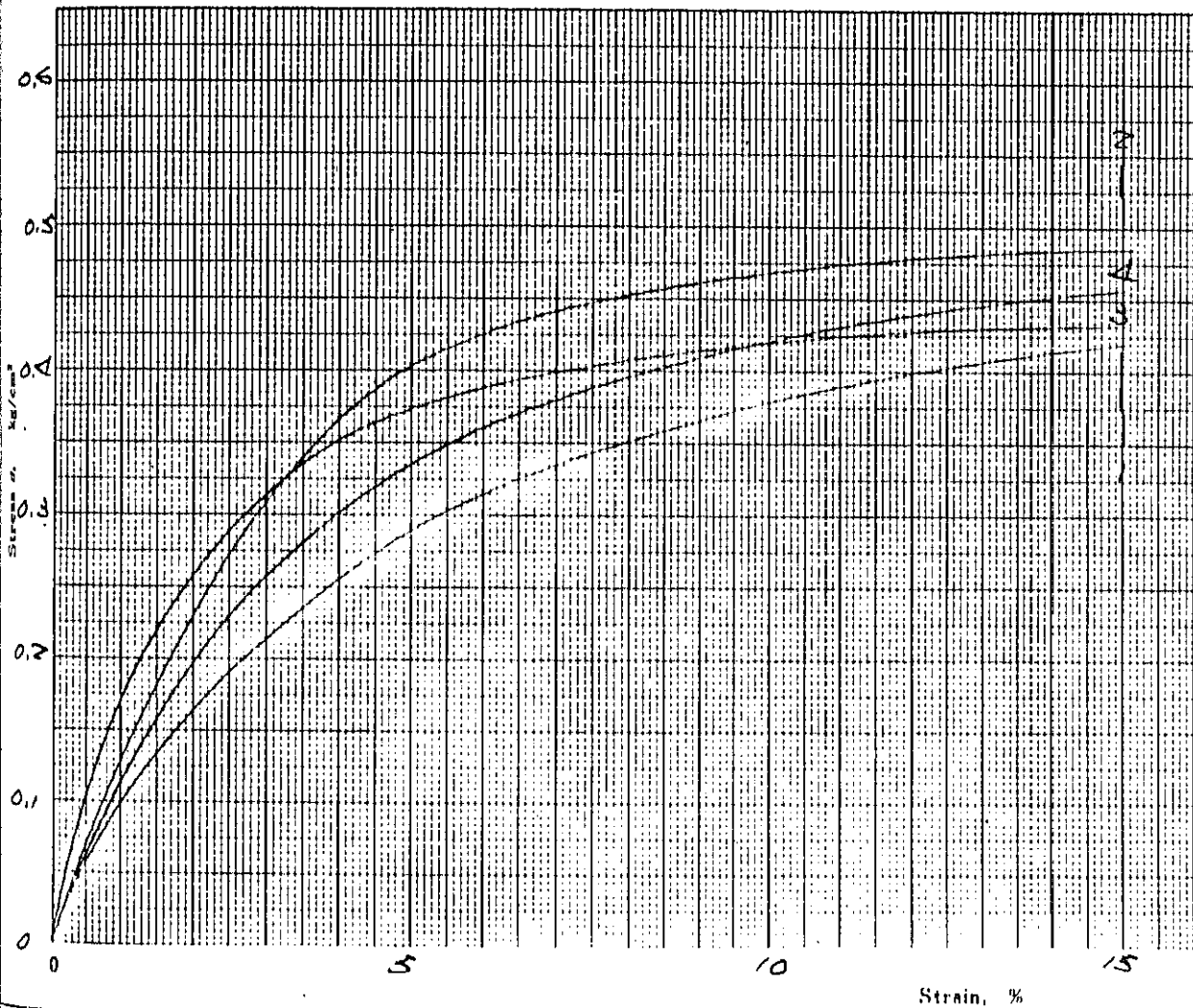
Observation of sample at failure



UNCONSOLIDATED-UNDRAINED TRIAXIAL COMPRESSION TEST (Stress-Strain Curves)

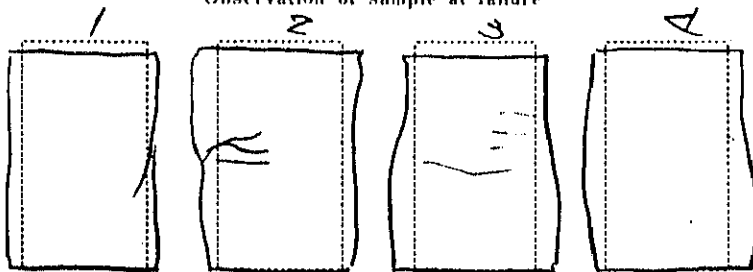
Project GWADAR MINI PORT Job No. \_\_\_\_\_  
 Location of Project GWADAR, PAKISTAN Boring No. B-4 Sample No. S4-6D  
 Date of testing Nov. 5, 1979 Depth of Sample 11.00m - 11.67m  
 Strain Rate 1 %/min.

Specimen No.	Condition of sample	Size of specimen, cm.		Natural water content %	Wet density g/cm <sup>3</sup>	Peak deviator stress kg/cm <sup>2</sup>	Coefficient of deformation E <sub>50</sub> kg/cm <sup>2</sup>	Strain at failure %	Confining pressure kg/cm <sup>2</sup>
		Height	Diameter						
1	Undisturbed	7.03	3.50	29.5	2.00	0.470	7	(15.0)	0.4
2	"	7.03	3.50	30.6	1.98	0.485	12	(15.0)	1.2
3	"	7.03	3.48	29.2	1.99	0.434	14	(15.0)	2.0
4	"	7.03	3.50	24.7	1.97	0.457	9	(15.0)	2.8



Remarks:

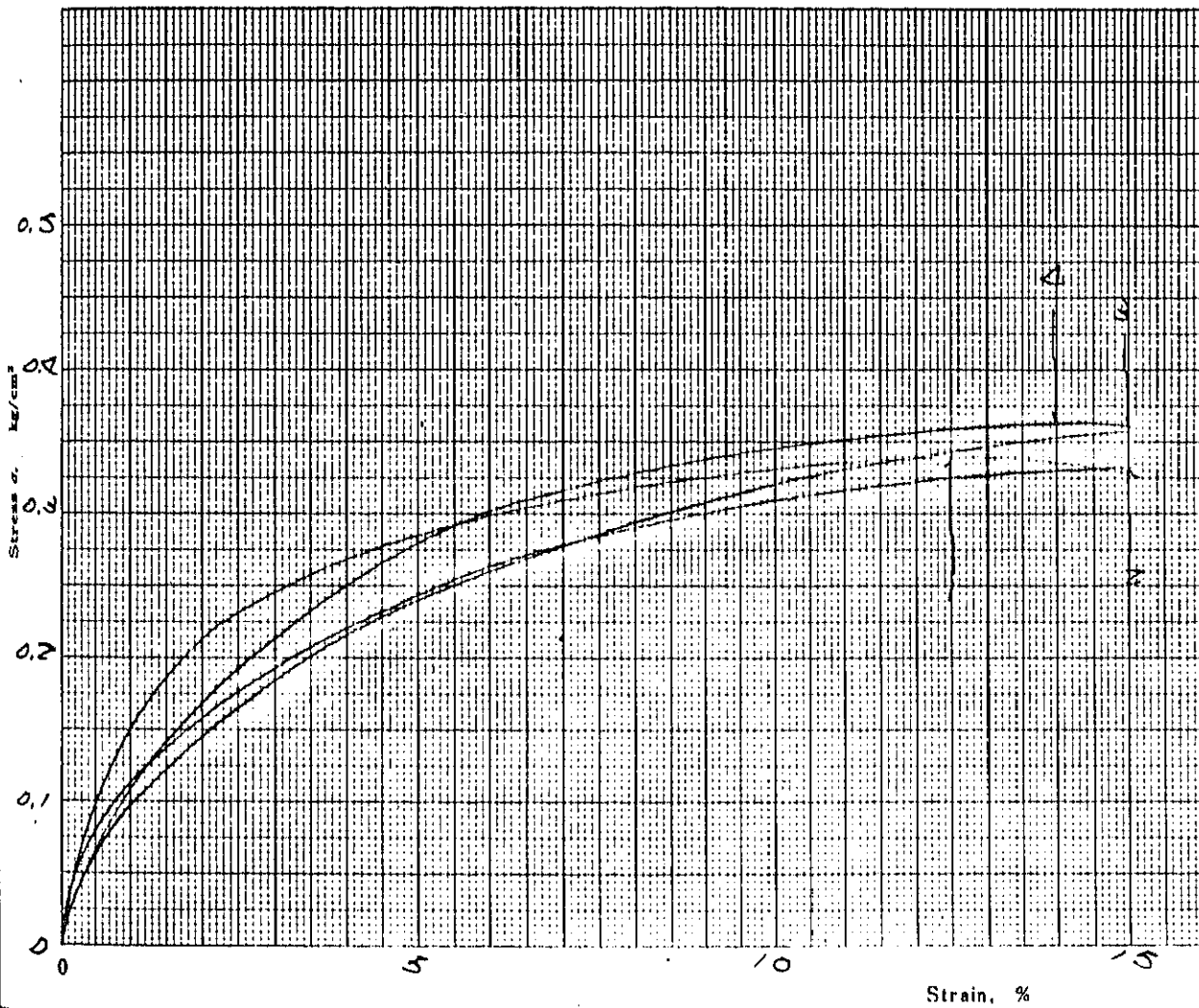
Observation of sample at failure



**UNCONSOLIDATED-UNDRAINED TRIAXIAL COMPRESSION TEST (Stress-Strain Curves)**

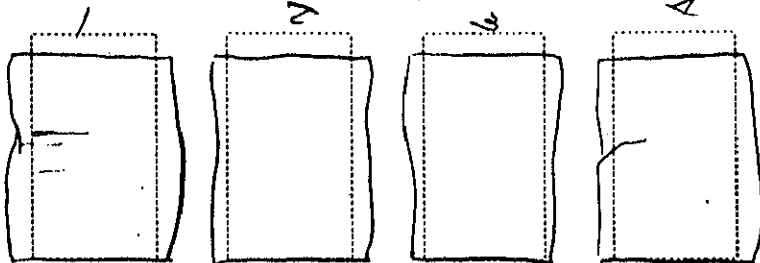
Project GWADAR MINI PORT Job No. \_\_\_\_\_  
 Location of Project GWADAR, PAKISTAN Boring No. B-5 Sample No. S5-1  
 Date of testing Nov. 7, 1979 Depth of Sample 3.00m - 3.74m  
 Strain Rate 1 %/min.

Specimen No.	Condition of sample	Size of specimen, cm.		Natural water content %	Wet density g/cm <sup>3</sup>	Peak deviator stress kg/cm <sup>2</sup>	Coefficient of deformation E <sub>50</sub> kg/cm <sup>2</sup>	Strain at failure %	Confining pressure kg/cm <sup>2</sup>
		Height	Diameter						
1	Undisturbed	7.02	3.50	51.1	1.97	0.341	14	12.5	0.4
2	"	7.02	3.50	56.3	1.99	0.333	8	(15.0)	1.0
3	"	7.03	3.50	56.2	1.98	0.358	6	(15.0)	1.6
4	"	7.03	3.50	79.0	2.00	0.364	8	14.0	2.2



Remarks.

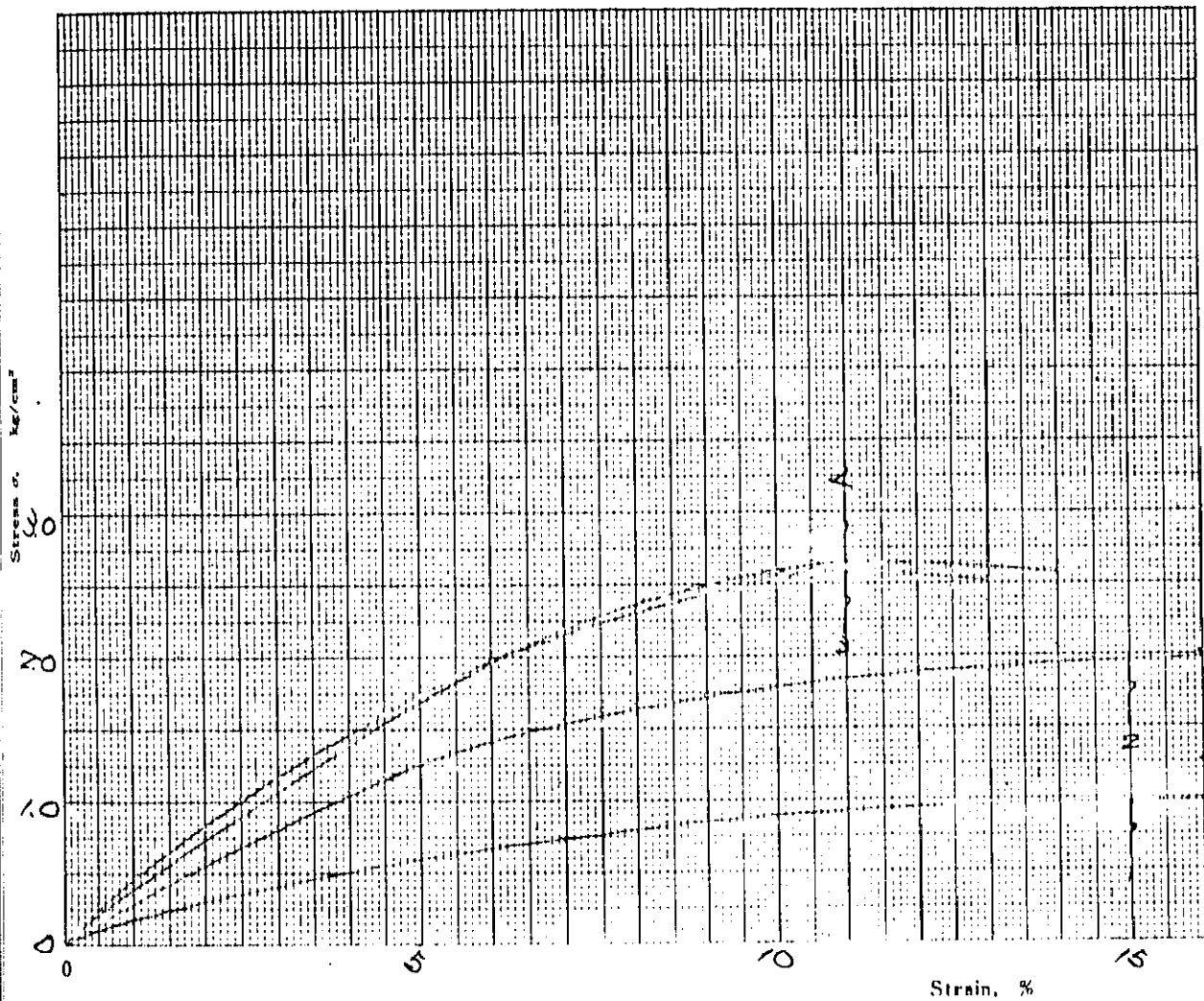
Observation of sample at failure



UNCONSOLIDATED-UNDRAINED TRIAXIAL COMPRESSION TEST (Stress-Strain Curves)

Project GWADAR MINI PORT Job No. \_\_\_\_\_  
 Location of Project GWADAR, PAKISTAN Boring No. B-5 Sample No. S5-2  
 Date of testing Nov. 7, 1979 Depth of Sample 5.00m - 5.69m  
 Strain Rate 1 %/min.

Specimen No.	Condition of sample	Size of specimen, cm.		Natural water content %	Wet density g/cm <sup>3</sup>	Peak deviator stress kg/cm <sup>2</sup>	Coefficient of deformation E <sub>50</sub> kg/cm <sup>2</sup>	Strain at failure %	Confining pressure kg/cm <sup>2</sup>
		Height	Diameter						
1	Undisturbed	6.98	3.50	21.5	2.10	0.980	13	(15)	0.2
2	"	6.92	3.49	20.0	2.12	1.970	26	(15)	0.8
3	"	6.98	3.50	20.5	2.10	2.590	38	11	1.2
4	"	6.96	3.50	20.8	2.11	2.670	35	11	2.0



Remarks.

Observation of sample at failure

