

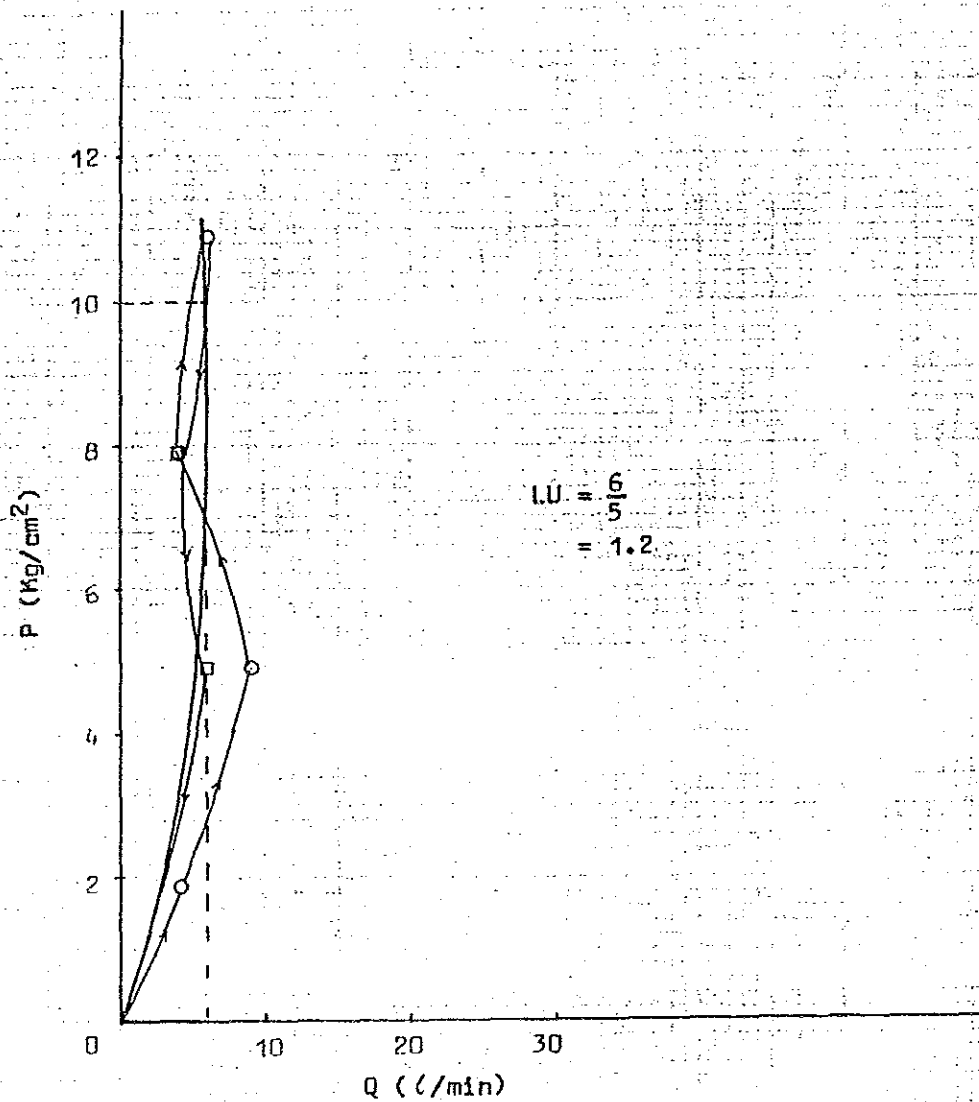
WATER PRESSURE TEST IN DRILL HOLE			HOLE NO.: BME-2 (Test 1)	
Project: Small Hydro Study for Medamit			Coordinates:	
Location: Medamit			Date of Test: 3.8.1987	
Job No : KSI/87(J18)			Reporter: B.J.O.	
Borehole	Elevation C. O. (m):		Diameter (mm): 75	
	Dip Angle (°): 90°		Bearing (°):	
Test Section	Stage No:			<b>GEOLOGY:</b>  Moderately weathered dark grey thinly bedded moderately strong fractured slaty SHALE (Partings along bedding plane due to coring, bedding plane 40° to 60°)
	Depth	Packer (m)	10.60	
		Hole Bottom (m)	15.60	
	Elev.	Packer (m)		
		Hole Bottom (m)		
Length, L (m):				
Height of Gauge (m): 0.40				
Water Head (m): 8.60		Temp. of Injected Water °C:		
Pump	Model, Type: SP 40B		Flow Meter	Type:
	Max. Discharge (l/min): 105			Min. Precision (l): 1 Litre
	Max. Pressure (g/cm <sup>2</sup> ): 40,000		Pressure Gauge	Min. Reading (g/cm <sup>2</sup> ): 500
Type of Packer	Hydraulically inflated single packer			Max. Reading (g/cm <sup>2</sup> ): 20,000
<p>*Effective Pressure (Kg/cm<sup>2</sup>) <math>P = P_a + 1/10 (h-h_l)</math>          where, <math>h = h_1+h_2</math> <math>h_l</math> = head loss</p> <p>** Lugeon Value (l/min/m/10kg/cm<sup>2</sup>) = <math>Lu = 10Q/PL</math></p>				
<b>Unsaturated Strata:</b>  			<b>Saturated Strata:</b>  	

Project: Small Hydro Study For Medamit

Job No: KSI/87(J18)

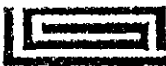
Type of Test: Water Pressure Test in drill hole

Test No: BME-2/Test 1 (10.50 - 15.60m)



Remarks :-

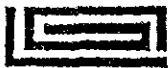
- Discharge of increasing pressure
- Discharge of decreasing pressure
- Average



WATER PRESSURE TEST IN DRILL HOLE							Hole No: BME-2 (Test 1)		
Project: Small Hydro Study for Medamit							Date of Test: 3.8.1987		
Job No: KSI/87(J18)							Reporter: B.J.O.		
Stage No:			Depth of Packer (m): 10.60				Test Length (m): 5.00		
			Depth of hole bottom (m): 15.60						
Time			Gauge Pressure Kg/cm <sup>2</sup>	Effective Pressure Kg/cm <sup>2</sup>	Integrated l/min	Water pumped-in			Remarks (Average)
Hr.	Min	Elapsed (min)				Sectional l/min	Constant rate l/min.	Lugeon Value	
12	30	1	1	1.90		3	3	4.21	4
		1	1			4	4		
		1	1			5	5		
		1	1			5	5		
		1	1			4	4		
		1	1			6	6		
		1	1			4	4		
		1	1			4	4		
		1	1			4	4		
		1	4	4.90		4	4	3.67	9
		1	4			8	8		
		1	4			11	11		
		1	4			9	9		
		1	4			9	9		
		1	4			9	9		
		1	4			9	9		
		1	4			9	9		
		1	4			9	9		
		1	7	7.90		7	7	1.01	4
		1	7			6	6		
		1	7			5	5		
		1	7			2	2		
		1	7			4	4		
		1	7			1	1		
		1	7			2	2		
		1	7			4	4		
		1	7			3	3		
		1	7			3	3		







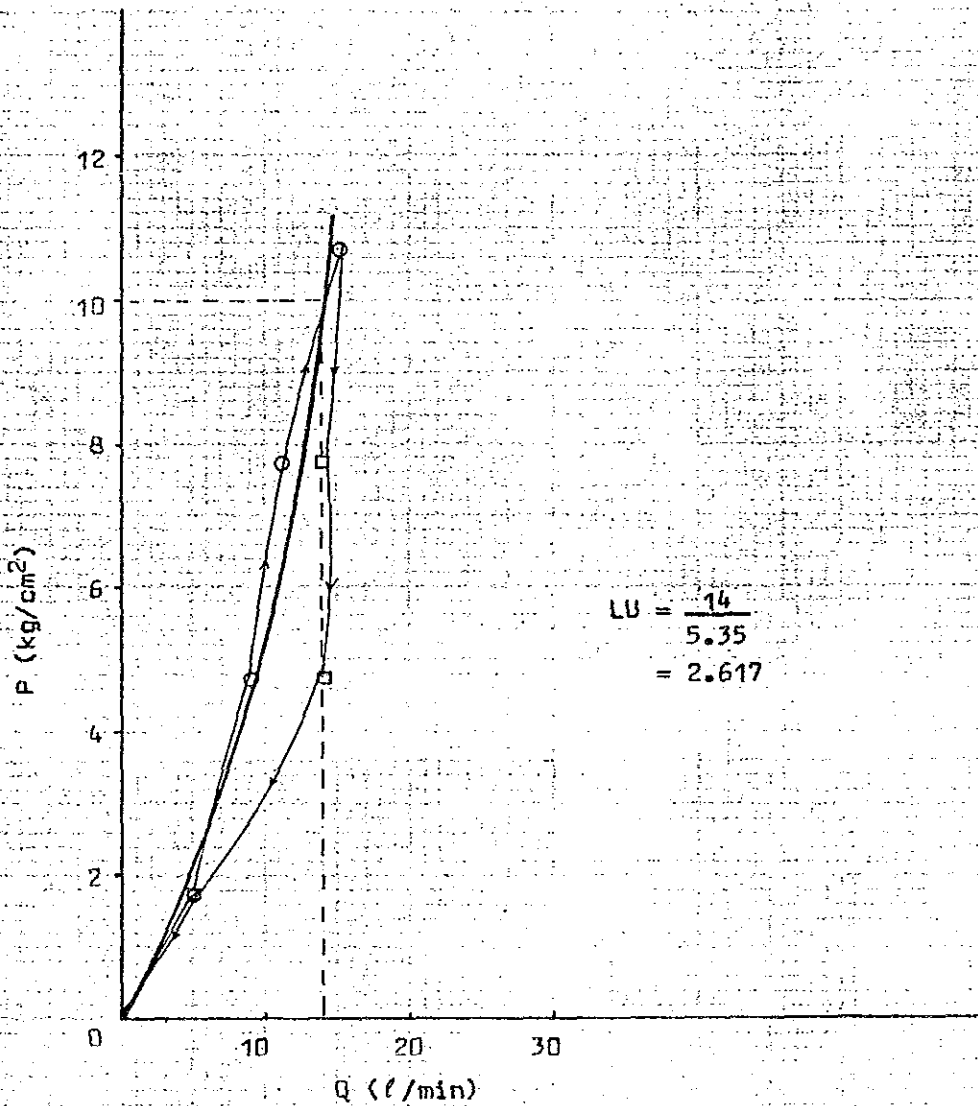
WATER PRESSURE TEST IN DRILL HOLE			HOLE NO.: BME-2 (Test 2)		
Project: Small Hydro Study For Medamit			Coordinates:		
Location: Medamit			Date of Test: 3.8.1987		
Job No : KSI/87(J18)			Reporter: B.J.O.		
Borehole	Elevation C. D. (m):		Diameter (mm): 75		
	Dip Angle (°): 90°		Bearing (°):		
Test Section	Stage No:		<b>GEOLOGY:</b>  Moderately weathered dark grey moderately strong fractured thinly bedded slaty SHALE (Quartz vein laminated occasionally, partings along bedding planes due to coring, bedding plane 40° to 60°)		
	Depth	Packer (m)			15.60
		Hole Bottom (m)			20.95
	Elev.	Packer (m)			
		Hole Bottom (m)			
Length, L (m): 5.35					
Height of Gauge (m): 0.40					
Water Head (m): 7.05		Temp. of Injected Water °C: 26			
Pump	Model, Type: SP 40B		Flow Meter	Type:	
	Max. Discharge (l/min): 105			Min. Precision (l): 1 Litre	
	Max. Pressure (g/cm <sup>2</sup> ): 40,000		Pressure Gauge	Min. Reading (g/cm <sup>2</sup> ): 500	
Type of Packer	Hydraulically inflated single packer			Max. Reading (g/cm <sup>2</sup> ): 20,000	
<p>*Effective Pressure (Kg/cm<sup>2</sup>) <math>P = P_a + 1/10 (h-h_l)</math>          where, <math>h = h_1+h_2</math> <math>h_l</math> = head loss</p> <p>** Lugeon Value (l/min/m/10kg/cm<sup>2</sup>) = <math>Lu = 10Q/PL</math></p>					
<b>Unsaturated Strata:</b>  			<b>Saturated Strata:</b>  		

Project: Small Hydro Study For Medemit

Job No: KSI/87(318)

Type of Test: Water Pressure Test in drill hole

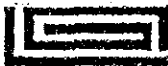
Test No: BME-2/Test 2. (15.60 - 20.95m)



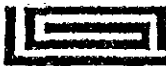
Remarks :-

- Discharge of increasing pressure
- Discharge of decreasing pressure
- Average



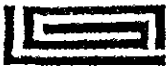


WATER PRESSURE TEST IN DRILL HOLE							Hole No: BME-2 (Test 2)		
Project: Small Hydro Study For Medamit							Date of Test: 5.8.1987		
Job No: KSI/87(J18)							Reporter: B.J.O.		
Stage No:			Depth of Packer (m): 15.60		Test Length (m): 5.35				
			Depth of hole bottom (m): 20.95						
Time		Gauge Pressure Kg/cm <sup>2</sup>	Effective Pressure Kg/cm <sup>2</sup>	Integrated l/min	Water pumped-in			Remarks (Average)	
Hr.	Min				Elapsed (min)	Sectional l/min	Constant rate l/min		Lugeon Value
		1	1.745		6	6	5.36	5	
		1			6	6			
		1			6	6			
		1			4	4			
		1			4	4			
		1			6	6			
		1			5	5			
		1			5	5			
		1			4	4			
		1			5	5			
		1	4.745		9	9	3.55	9	
		1			7	7			
		1			9	9			
		1			7	7			
		1			9	9			
		1			12	12			
		1			8	8			
		1			7	7			
		1			9	9			
		1			8	8			
		1	7.745		10	10	2.65	11	
		1			10	10			
		1			10	10			
		1			12	12			
		1			11	11			
		1			12	12			
		1			11	11			
		1			12	12			
		1			10	10			
		1			11	11			



WATER PRESSURE TEST IN DRILL HOLE							Hole No: BME-2 (Test 2)		
Project: Small Hydro Study For Medamit							Date of Test: 5.8.1987		
Job No: KSI/87(J18)							Reporter: B.J.O.		
Stage No:			Depth of Packer (m): 15.60				Test Length (m): 5.35		
			Depth of hole bottom (m): 20.95						
Time			Gauge Pressure Kg/cm <sup>2</sup>	Effective Pressure Kg/cm <sup>2</sup>	Integrated l/min	Water pumped-in		Lugeon Value	Remarks (Average)
Hr.	Min	Elapsed (min)				Sectional l/min	Constant rate l/min.		
		1	10	10.745		17	17	2.61	15
		1	10			15	15		
		1	10			15	15		
		1	10			17	17		
		1	10			15	15		
		1	10			15	15		
		1	10			15	15		
		1	10			15	15		
		1	10			15	15		
		1	10			15	15		
		1	7	7.745		16	16	3.38	14
		1	7			18	13		
		1	7			17	13		
		1	7			17	14		
		1	7			17	14		
		1	7			18	14		
		1	7			17	14		
		1	7			17	14		
		1	7			17	14		
		1	7			17	14		
		1	4	4.745		14	14	5.52	14
		1	4			14	14		
		1	4			13	13		
		1	4			13	13		
		1	4			15	15		
		1	4			15	15		
		1	4			15	15		
		1	4			14	14		
		1	4			14	14		
		2	4			14	14		





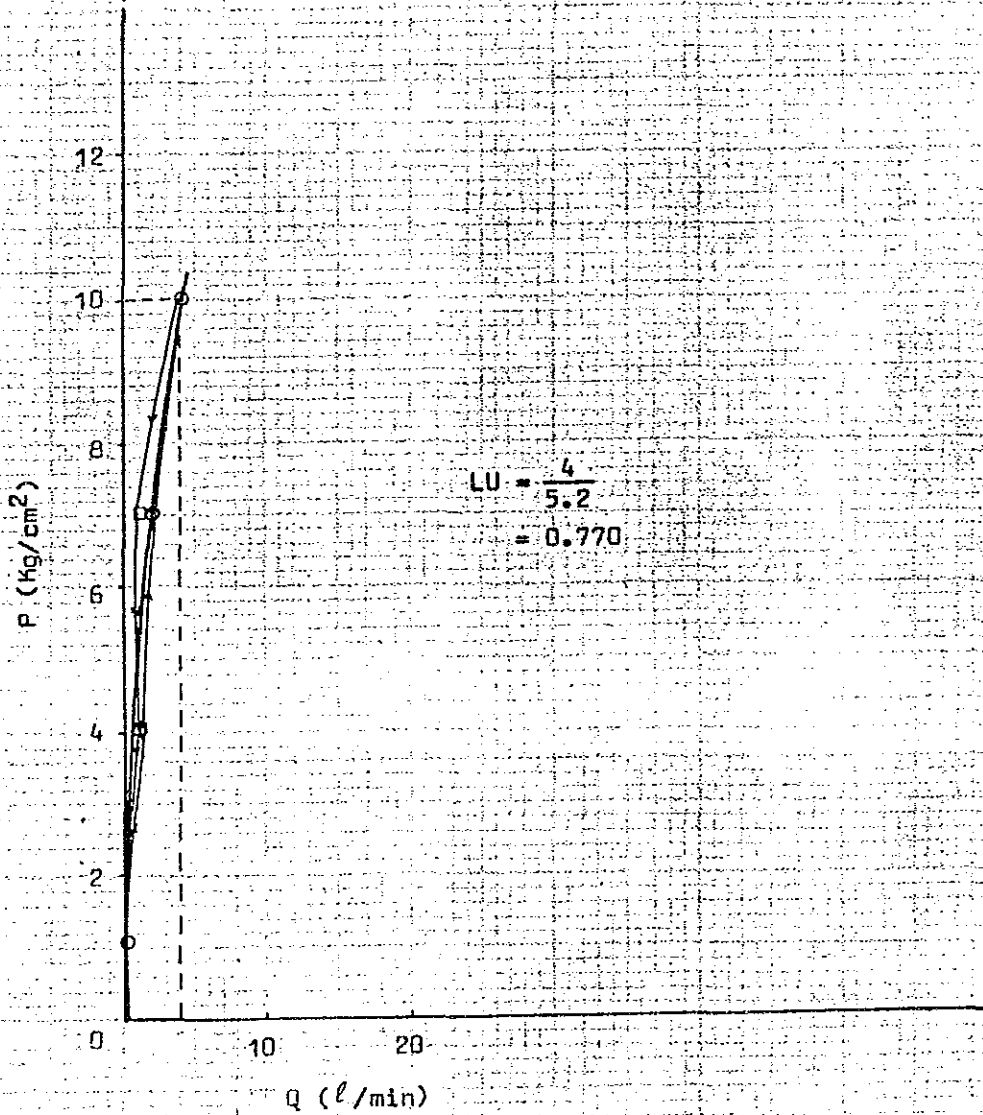
WATER PRESSURE TEST IN DRILL HOLE			HOLE NO.: BME-4 (Test 1)	
Project: Small Hydro Study For Medamit			Coordinates:	
Location: Medamit			Date of Test: 20.7.1987	
Job No : KSI/87(J18)			Reporter: B.J.O.	
Borehole	Elevation C. D. (m):		Diameter (mm): 75	
	Dip Angle (α): 90°		Bearing (α):	
Test Section	Stage No:			GEOLOGY:  Slightly weathered to fresh grey strong SANDSTONE (Greywacke, probably metamorphic) occasional quartz vein laminated, bedded structure, sub-horizontal planes, occasional partings along bedding planes due to coring
	Depth	Packer (m)	6.00	
		Hole Bottom (m)	11.20	
	Elev.	Packer (m)		
		Hole Bottom (m)		
Length, L (m): 5.20				
Height of Gauge (m): 0.40				
Water Head (m): 0.30			Temp. of Injected Water °C: 26	
Pump	Model, Type: SP 408		Flow Meter	Type:
	Max. Discharge (l/min): 105			Min. Precision (l): 1 Litre
	Max. Pressure (g/cm <sup>2</sup> ): 40,000		Pressure Gauge	Min. Reading (g/cm <sup>2</sup> ): 500
Type of Packer		Max. Reading (g/cm <sup>2</sup> ): 20,000		
<p>*Effective Pressure (Kg/cm<sup>2</sup>) <math>P = P_a + 1/10 (h - h_t)</math> where, <math>h = h_1 + h_2</math> <math>h_t =</math> head loss</p> <p>** Lugeon Value (l/min/m/10kg/cm<sup>2</sup>) = <math>Lu = 10Q/PL</math></p>				
<p>Unsaturated Strata:</p>			<p>Saturated Strata:</p>	

Project: Small Hydro Study For Madamit

Job No: KSI/87(318)

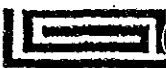
Type of Test: Water Pressure Test in drill hole

Test No: BME-4/Test 1 (6.00 - 11.20m)



Remarks:

- Discharge of increasing pressure
- ←○← Discharge of decreasing pressure
- Average



WATER PRESSURE TEST IN DRILL HOLE								Hole No: BME-4 (Test 1)	
Project: Small Hydro Study For Medamit								Date of Test: 20.7.1987	
Job No: KSI/87(J18)								Reporter: B.J.O.	
Stage No:				Depth of Packer (m): 6.00		Test Length (m): 5.20			
				Depth of hole bottom (m): 11.20					
Time			Gauge Pressure Kg/cm <sup>2</sup>	Effective Pressure Kg/cm <sup>2</sup>	Integrated l/min	Water pumped-in			Remarks (Average)
Hr.	Min	Elapsed (min)				Sectional l/min	Constant rate l/min	Lugeon Value	
		1	1	1.07		0	0	0	0
		1	1			0	0		
		1	1			0	0		
		1	1			0	0		
		1	1			1	1		
		1	1			0	0		
		1	1			0	0		
		1	1			0	0		
		1	4	4.07		3	3	0.47	1
		1	4			0	0		
		1	4			0	0		
		1	4			2	2		
		1	4			0	0		
		1	4			1	1		
		1	4			0	0		
		1	7	7.07		0	0	0.54	2
		1	7			2	2		
		1	7			2	2		
		1	7			0	0		
		1	7			0	0		
		1	7			3	3		
		1	10	10.07		4	4	0.76	4
		1	10			3	3		
		1	10			4	4		
		1	10			3	3		
		1	7	7.07		0	0	0.27	1
		1	7			1	1		
		1	7			3	3		
		1	7			1	1		
		1	4	4.07		1	1	0.47	1





WATER PRESSURE TEST IN DRILL HOLE			HOLE NO.: BME-4 (Test 2)		
Project: Small Hydto Study For Medamit			Coordinates:		
Location: Medamit			Date of Test: 27.7.1987		
Job No : KSI/87(J18)			Reporter: B.J.O.		
Borehole	Elevation C. D. (m):		Diameter (mm): 75		
	Dip Angle (°): 90°		Bearing (°):		
Test Section	Stage No:		<b>GEOLOGY:</b> Slightly weathered to fresh grey strong SANDSTONE (Greywacke, probably metamorphic) occasional quartz vein laminated, bedded structure, sub-horizontal planes, occasional partings along bedding plane due to coring		
	Depth	Packer (m)			12.00
		Hole Bottom (m)			18.00
	Elev.	Packer (m)			
		Hole Bottom (m)			
Length, L (m): 6.00					
Height of Gauge (m): 0.40					
Water Head (m): (Full)		Temp. of Injected Water °C: 26			
Pump	Model, Type: SP 40B		Flow Meter	Type:	
	Max. Discharge (l/min): 105			Min. Precision (l): 1 Litre	
	Max. Pressure (g/cm <sup>2</sup> ): 40,000		Pressure Gauge	Min. Reading (g/cm <sup>2</sup> ): 500	
Type of Packer	Hydraulically inflated single packer	Max. Reading (g/cm <sup>2</sup> ): 20,000			
*Effective Pressure (Kg/cm <sup>2</sup> ) $P = P_a + 1/10 (h-h_l)$ where, h = h <sub>1</sub> +h <sub>2</sub> h <sub>l</sub> = head loss  ** Lugeon Value (l/min/m/10kg/cm <sup>2</sup> ) = Lu = 10Q/PL					
Unsaturated Strata: 			Saturated Strata: 		

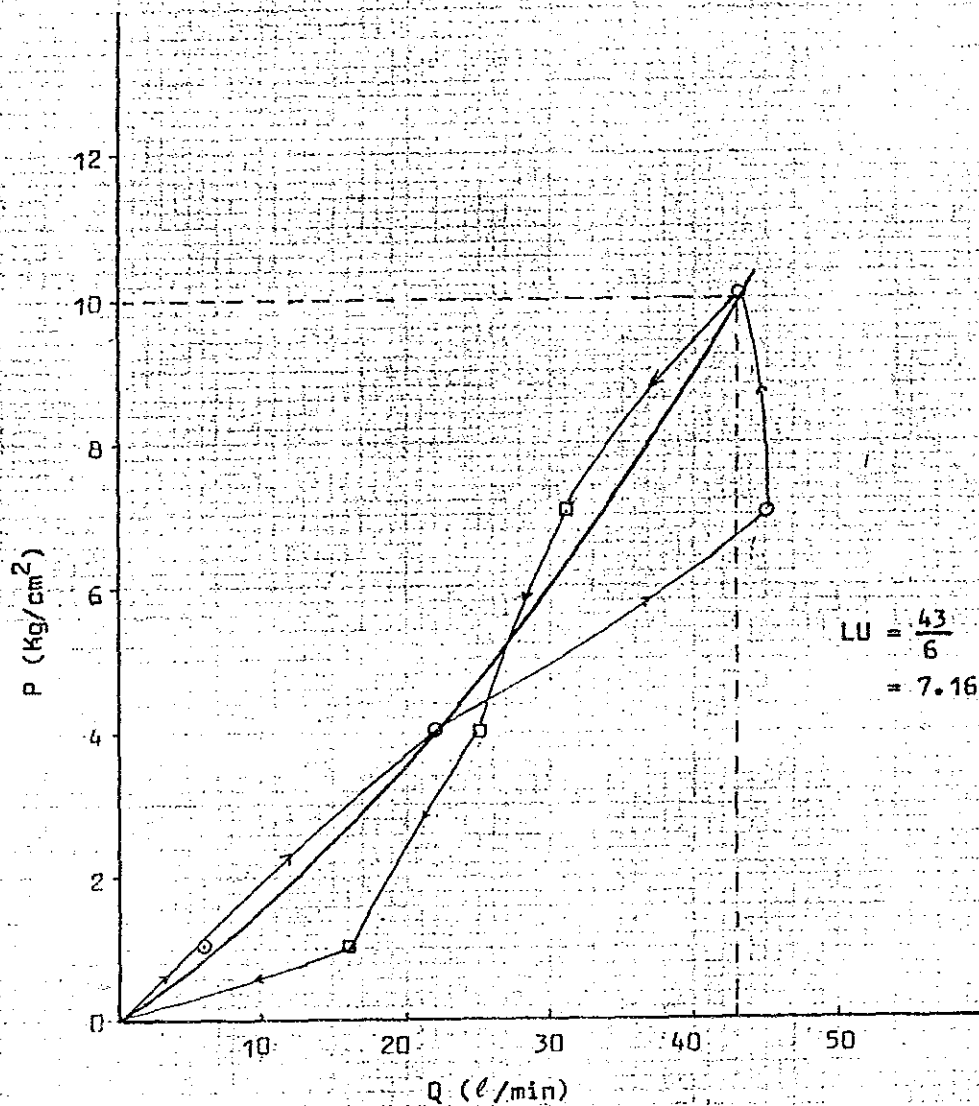


Project: Small Hydro Study For Madamit

Job No: KSI/87(J18)

Type of Test: Water Pressure Test in drill hole

Test No: BME-4/Test 2 (12.00 - 18.00m)

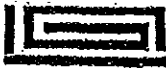


Remarks:-

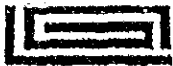
—○— Discharge of increasing pressure

—□— Discharge of decreasing pressure

— Average

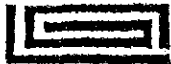


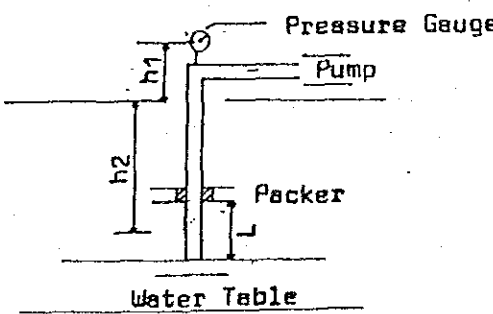
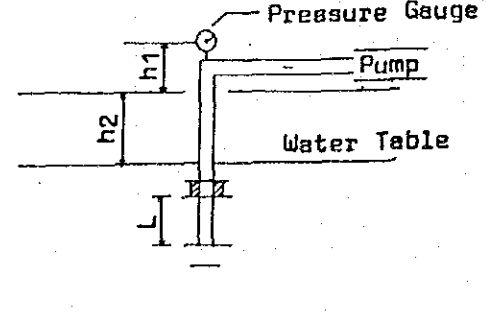
WATER PRESSURE TEST IN DRILL HOLE								Hole No: BME-4 (Test 2)	
Project: Small Hydro Study For Medamit						Date of Test: 27.7.1987			
Job No: KSI/87(J18)						Reporter: B.J.O.			
Stage No:			Depth of Packer (m): 12.00			Test Length (m): 6.00			
			Depth of hole bottom (m): 18.00						
Time			Gauge Pressure Kg/cm <sup>2</sup>	Effective Pressure Kg/cm <sup>2</sup>	Integrated l/min	Water pumped-in			Remarks (Average)
Hr.	Min	Elapsed (min)				Sectional l/min	Constant rate l/min	Lugeon Value	
15	45	1	1	1.04		6	6	9.62	6
		1	1			4	4		
		1	1			5	5		
		1	1			6	6		
		1	1			5	5		
		1	1			5	5		
		1	1			7	7		
		1	1			7	7		
		1	1			5	5		
		1	1			9	9		
		1	4	4.04		22	22	9.08	22
		1	4			23	23		
		1	4			22	22		
		1	4			24	24		
		1	4			20	20		
		1	4			22	22		
		1	4			23	23		
		1	4			26	26		
		1	4			17	17		
		1	7	7.04		48	48	10.65	45
		1	7			46	46		
		1	7			43	43		
		1	7			52	52		
		1	7			38	38		
		1	7			36	36		
		1	7			45	45		
		1	7			46	46		
		1	7			46	46		
		1	7			46	46		
		1	10	10.04		49	49	7.13	



WATER PRESSURE TEST IN DRILL HOLE								Hole No: BME-4 (Test 2)	
Project: Small Hydro Study For Medemit						Date of Test: 27.7.1987			
Job No: KSI/87(J18)						Reporter: B.J.O.			
Stage No:			Depth of Packer (m): 12.00			Test Length (m): 6.00			
			Depth of hole bottom (m): 18.00						
Time			Gauge Pressure Kg/cm <sup>2</sup>	Effective Pressure Kg/cm <sup>2</sup>	Integrated l/min	Water pumped-in			Remarks (Average)
Hr.	Min	Elapsed (min)				Sectional l/min	Constant rate l/min	Lugeon Value	
		1	10	10.04		49	49	7.13	43
		1	10			39	39		
		1	10			37	37		
		1	10			48	48		
		1	10			42	42		
		1	10			40	40		
		1	10			42	42		
		1	10			42	42		
		1	10			42	42		
		1	10	7.04		39	39	7.33	31
		1	10			30	30		
		1	10			33	33		
		1	10			30	30		
		1	10			32	32		
		1	10			30	30		
		1	10			30	30		
		1	10			29	29		
		1	4	4.04		28	28	10.31	25
		1	4			27	27		
		1	4			26	26		
		1	4			24	24		
		1	4			25	25		
		1	4			21	21		
		1	4			26	26		
		1	4			21	21		
		1	4			24	24		
		1	4			22	22		
		1	1	1.04		19	19	25.64	16
		1	1			17	17		





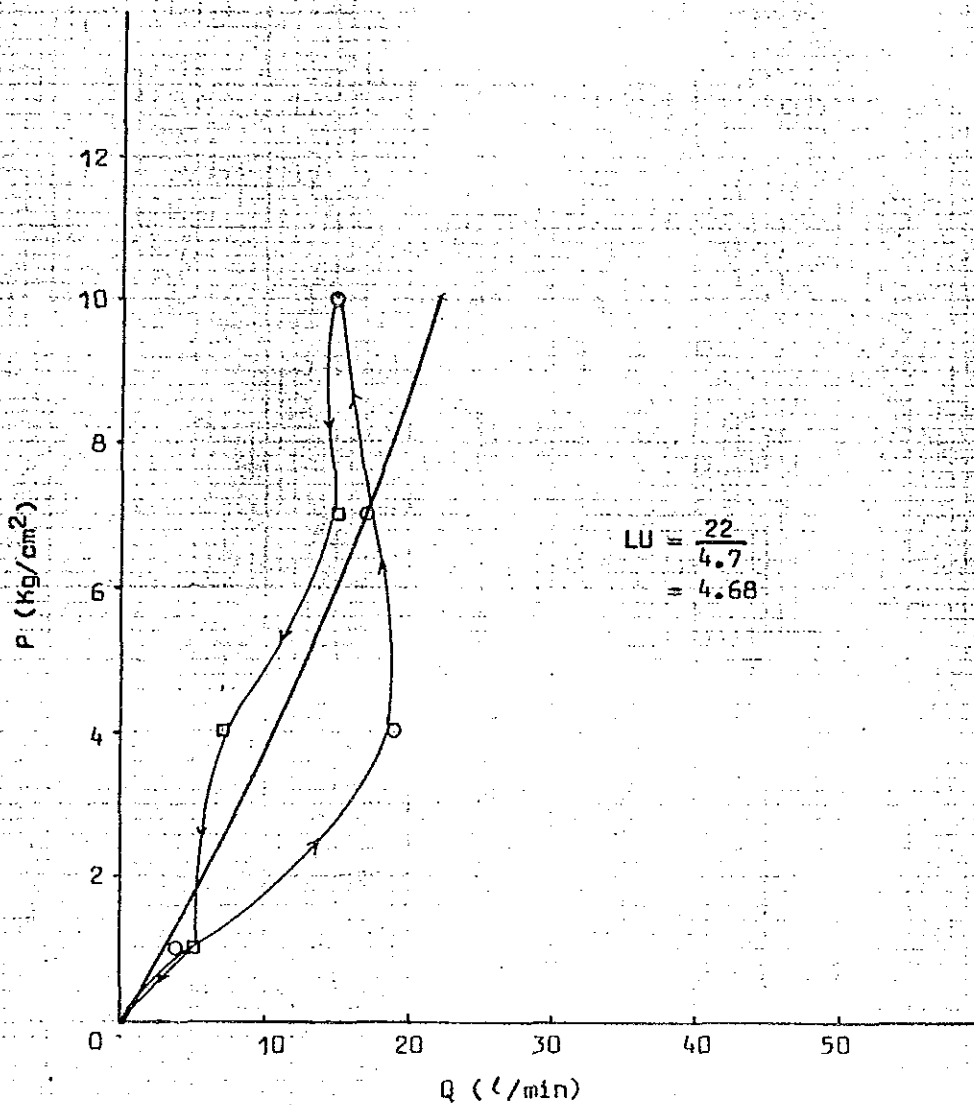
<b>WATER PRESSURE TEST IN DRILL HOLE</b>			HOLE NO.: <b>BME-4</b> (Test 3)		
Project: Small Hydro Study For Medamit			Coordinates:		
Location: Medamit			Date of Test: 29-7-1987		
Job No : KSI/87(J18)			Reporter: B.J.O.		
Borehole	Elevation C. D. (m):		Diameter (mm): 75		
	Dip Angle (°): 90°		Bearing (°):		
Test Section	Stage No:		<b>GEOLOGY:</b> Slightly weathered to fresh grey strong SANDSTONE (Greywacke, probably metamorphic) occasional laminated with shale & quartz veins, bedded structure, sub-horizontal planes, occasional partings along bedding planes due to coring		
	Depth	Packer (m)			17.60
		Hole Bottom (m)			22.30
	Elev.	Packer (m)			
		Hole Bottom (m)			
Length, L (m):					
Height of Gauge (m): 0.40					
Water Head (m): Full			Temp. of Injected Water °C: 26		
Pump	Model, Type: SP 40B		Flow Meter	Type:	
	Max. Discharge (l/min): 105			Min. Precision (l): 1	
	Max. Pressure (g/cm <sup>2</sup> ): 40,000		Pressure Gauge	Min. Reading (g/cm <sup>2</sup> ): 500	
Type of Packer	Hydraulically inflated single packer	Max. Reading (g/cm <sup>2</sup> ): 20,000			
*Effective Pressure (Kg/cm <sup>2</sup> ) $P = P_a + 1/10 (h-h_l)$ where, h = h <sub>1</sub> +h <sub>2</sub> h <sub>l</sub> = head loss					
** Lugeon Value (l/min/m/10kg/cm <sup>2</sup> ) = Lu = 10Q/PL					
Unsaturated Strata: 			Saturated Strata: 		

Project: Small Hydro Study For Madamit

Job No : KSI/87(J16)

Type of Test: Water Pressure Test in drill hole

Test No: BME-4/Test 3 (17.60 - 22.30m)



Remarks:-

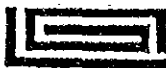
—○— Discharge of increasing pressure

—□— Discharge of decreasing pressure

— Average



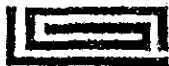
WATER PRESSURE TEST IN DRILL HOLE							Hole No: BME-4 (Test 3)		
Project & Location: Small Hydro Study For Medamit							Date of Test: 29-7-1987		
Job No: KSI/87(J18)							Reporter: B.J.O.		
Stage No:			Depth of Packer (m): 17.60			Test Length (m): 4.70			
			Depth of hole bottom (m): 22.30						
Time			Gauge Pressure Kg/cm <sup>2</sup>	Effective Pressure Kg/cm <sup>2</sup>	Integrated l/min	Water pumped-in		Lugeon Value	Remarks (Average)
Hr.	Min	Elapsed (min)				Sectional l/min	Constant rate l/min		
11	15	1	1	1.04		4	4	8.18	4
		1	1			5	5		
		1	1			6	6		
		1	1			3	3		
		1	1			1	1		
		1	1			3	3		
		1	1			3	3		
		1	1			3	3		
		1	1			4	4		
		1	1			3	3		
		1	4	4.04		21	21	10.01	19
		1	4			20	20		
		1	4			21	21		
		1	4			21	21		
		1	4			20	20		
		1	4			20	20		
		1	4			19	19		
		1	4			15	15		
		1	4			16	16		
		1	7	7.04		21	21	5.14	17
		1	7			21	21		
		1	7			20	20		
		1	7			20	20		
		1	7			18	18		
		1	7			15	15		
		1	7			13	13		
		1	7			13	13		
		1	7			13	13		
		1	7			13	13		
		1	10	10.04		11	11	3.18	15

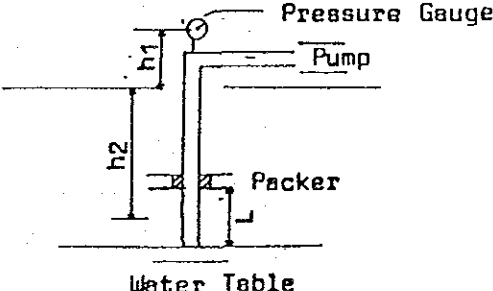
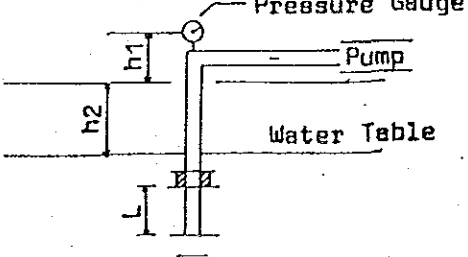


WATER PRESSURE TEST IN DRILL HOLE							Hole No: BME-4 (Test 3)			
Project & Location: Small Hydro Study For Medamit							Date of Test: 29-7-1987			
Job No: KSI/87(J18)							Reporter: B.J.O.			
Stage No:			Depth of Packer (m): 17.60			Test Length (m): 4.70				
			Depth of hole bottom (m): 22.30							
Hr.	Min	Time		Gauge Pressure Kg/cm <sup>2</sup>	Effective Pressure Kg/cm <sup>2</sup>	Integrated l/min	Water pumped-in		Remarks (Average)	
		Elapsed (min)					Sectional l/min	Constant rate l/min		Lugeon Value
		1		10	10.04		16	16	0.32	15
		1		10			18	18		
		1		10			13	13		
		1		10			12	12		
		1		10			14	14		
		1		10			12	12		
		1		10			13	13		
		1		10			18	18		
		1		10			25	25		
		1		7	7.04		25	25	4.53	15
		1		7			25	25		
		1		7			25	25		
		1		7			8	8		
		1		7			8	8		
		1		7			9	9		
		1		7			10	10		
		1		7			8	8		
		1		4	4.04		7	7	3.68	7
		1		4			8	8		
		1		4			8	8		
		1		4			7	7		
		1		4			7	7		
		1		4			6	6		
		1		4			6	6		
		1		4			5	5		
		1		4			6	6		
		1		4			7	7		
		1		1	1.04		5	5	10.23	
		1		1			4	4		
		1		1			4	4		







<b>WATER PRESSURE TEST IN DRILL HOLE</b>			HOLE NO.: BME-7 (Test 1)				
Project: Small Hydro Study For Medamit			Coordinates:				
Location: Medamit			Date of Test:				
Job No : KSI/87(J18)			Reporter: B.J.O.				
Borehole	Elevation C. D. (m):		Diameter (mm): 75				
	Dip Angle (°): 90°		Bearing (°):				
Test Section	Stage No:		<b>GEOLOGY:</b>  Slightly weathered grey strong LIMESTONE, occasional calcite vein laminated				
	Depth	Packer (m)				7.30	
		Hole Bottom (m)				10.40	
	Elev.	Packer (m)					
		Hole Bottom (m)					
Length, L (m):							
Height of Gauge (m): 0.40							
Water Head (m): 8.35			Temp. of Injected Water °C: 26				
Pump	Model, Type: SP 40B		Flow Meter	Type:			
	Max. Discharge (l/min): 105			Min. Precision (l): 1			
	Max. Pressure (g/cm <sup>2</sup> ): 40,000		Pressure Gauge	Min. Reading (g/cm <sup>2</sup> ): 500			
Type of Packer	Hydraulically inflated single packer			Max. Reading (g/cm <sup>2</sup> ): 20,000			
*Effective Pressure (Kg/cm <sup>2</sup> ) $P = P_a + 1/10 (h-h_l)$ where, $h = h_1+h_2$ $h_l$ = head loss							
** Lugeon Value (l/min/m/10kg/cm <sup>2</sup> ) = $Lu = 10Q/PL$							
Unsaturated Strata:  			Saturated Strata:  				

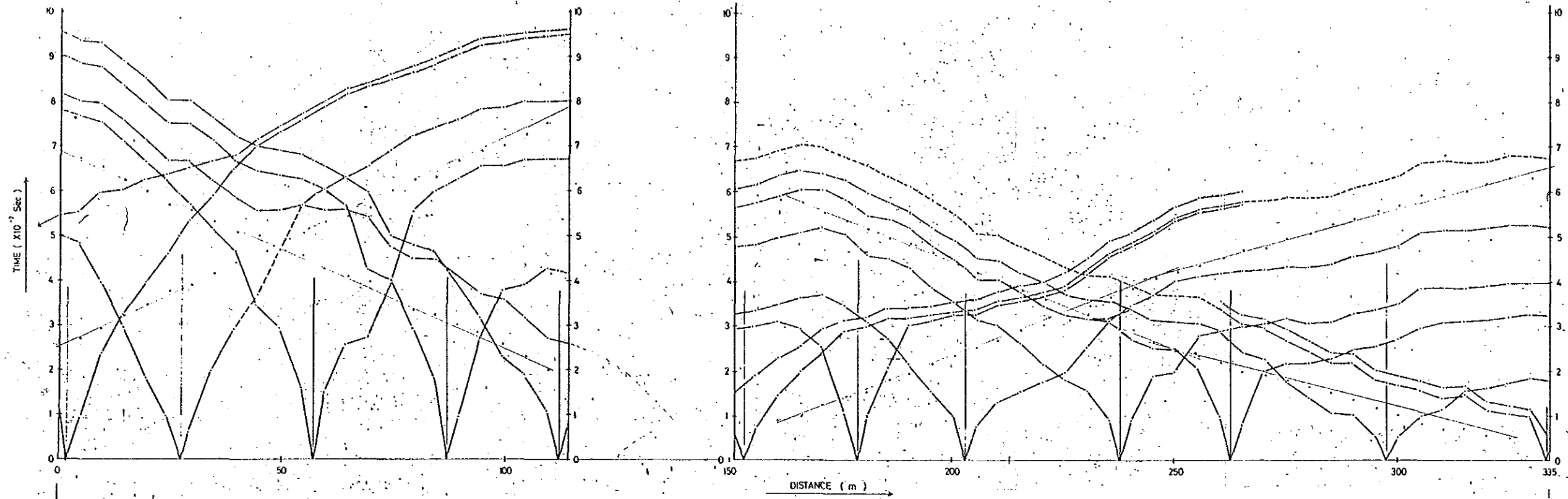


**SEISMIC PROSPECTING LINES SURVEY**



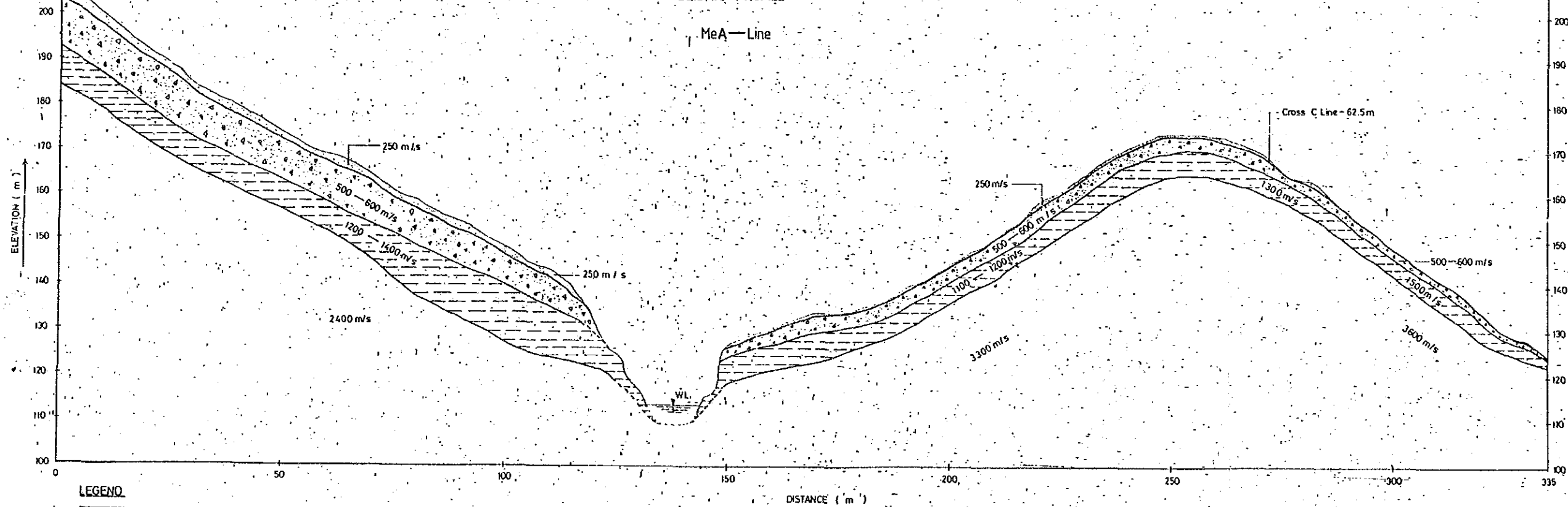
TRAVEL-TIME GRAPH

MeA—Line



SEISMIC PROFILE

MeA—Line



LEGEND

- Top soil • Completely weathered rock • Slopwash material
- Highly weathered • Highly to moderately weathered rock material
- Moderately weathered • Moderately to slightly weathered rock material
- Slightly weathered • Fresh rock
- Ground profile
- Rock / Soil refractor
- Velocity boundary within bedrock

DISTANCE ( m )

Scale: 1 : 500

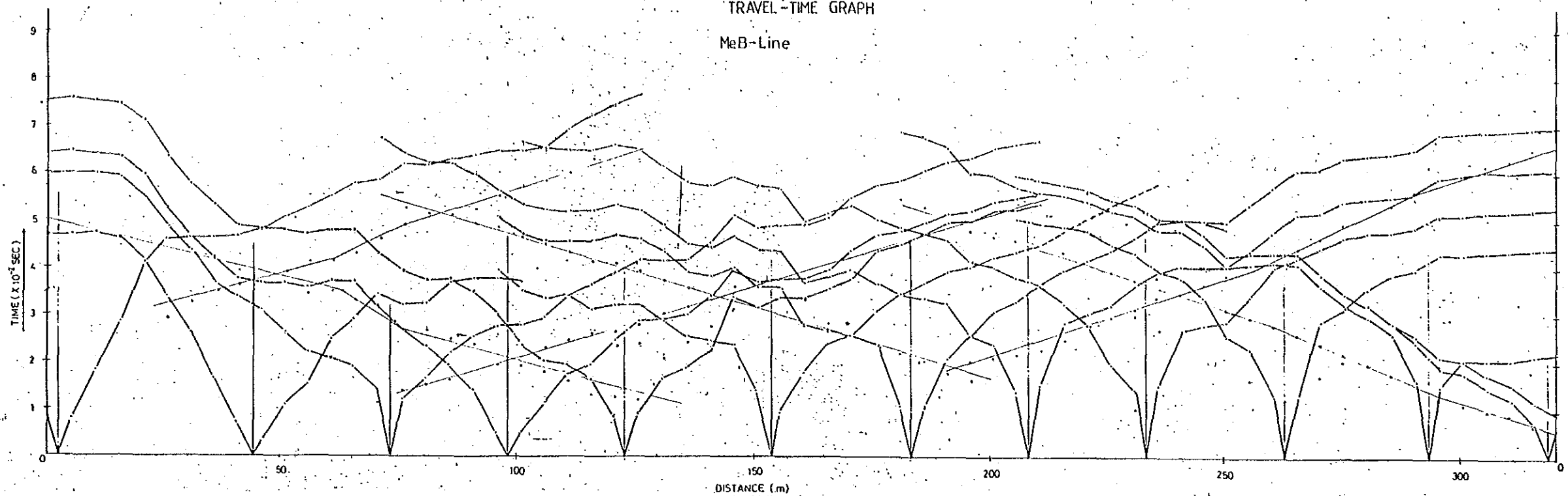
SURVEY INFORMATION:

Date of survey : 18. 06. 87  
 Seismic Energy Source : 12 G.A. SHELLS  
 Recording Instrument : OYO MCSEIS 1500, 24 Channel System  
 Recording Mode : Digital, 8-BIT WORDS, 024 WORDS & Channel, stored in floppy Diskettes.

GOVERNMENT OF MALAYSIA  
**FEASIBILITY STUDY**  
 SMALL SCALL HYDROELECTRIC POWER PROJECT IN SARAWAK  
 JAPAN INTERNATIONAL COOPERATION AGENCY

TRAVEL-TIME GRAPH

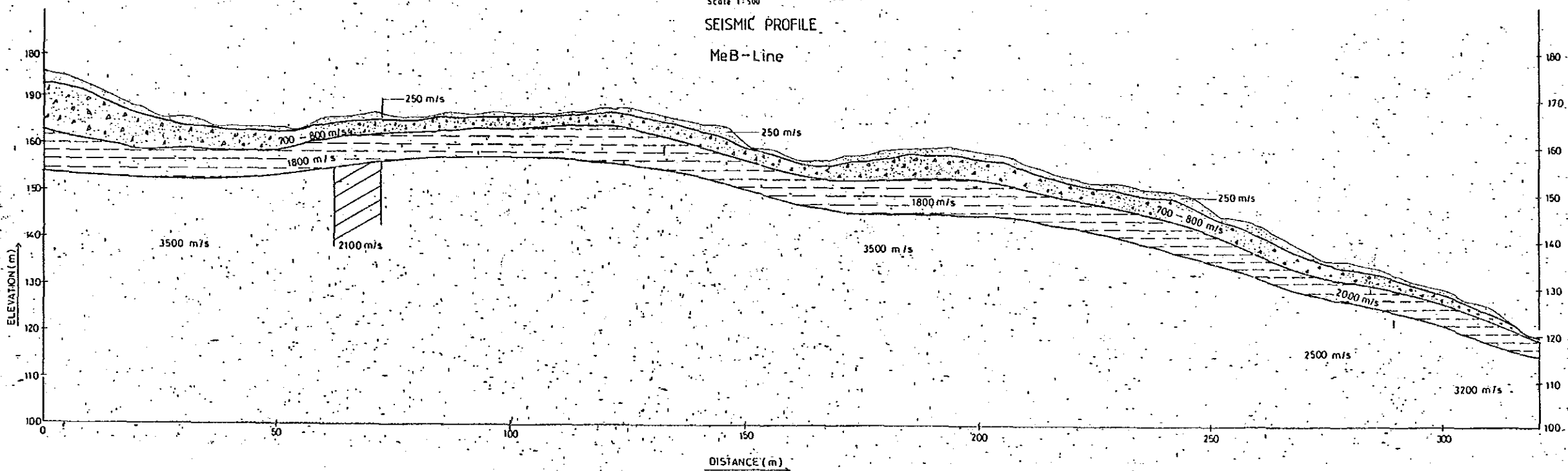
MeB-Line



DISTANCE (m)  
Scale 1:500

SEISMIC PROFILE

MeB-Line



Scale 1:500

LEGEND

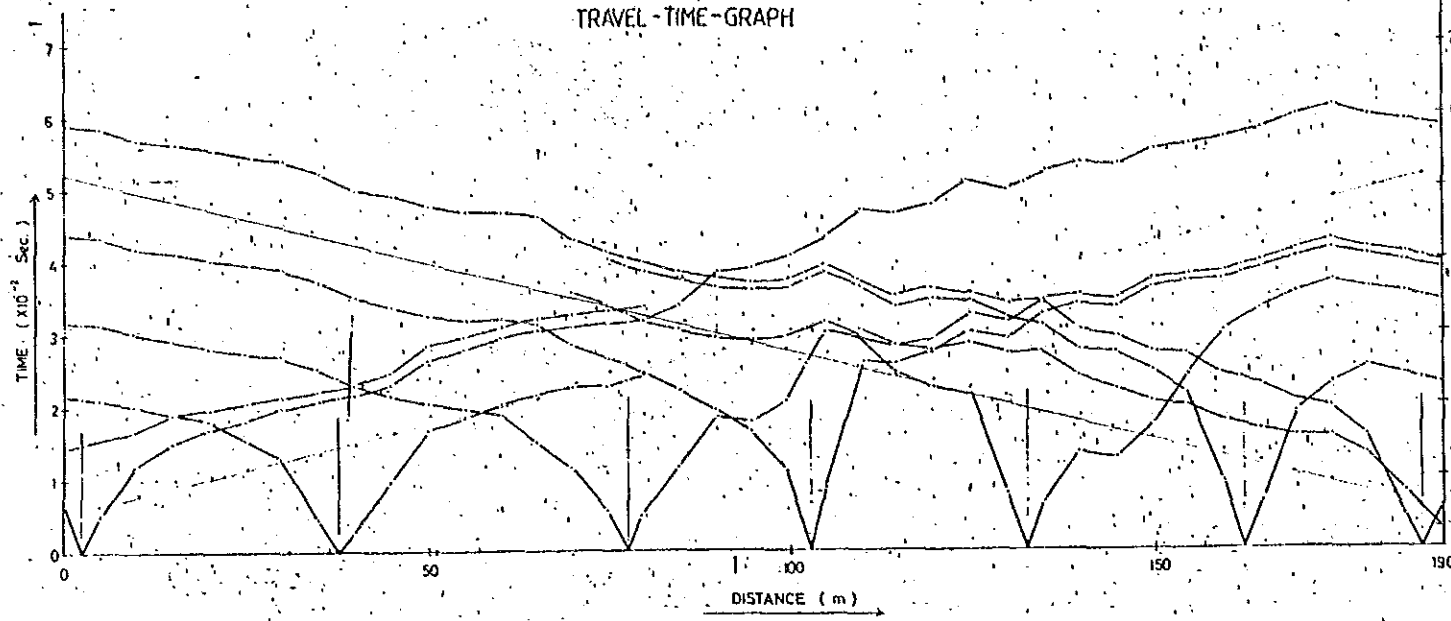
- Top soil • Completely weathered rock • Slopewash material
- Highly weathered • Highly to moderately weathered rock material
- Moderately weathered • Moderately to slightly weathered rock material
- Slightly weathered • Fresh rock
- Ground profile
- Rock / Soil refractor
- Velocity boundary within bedrock

SURVEY INFORMATION

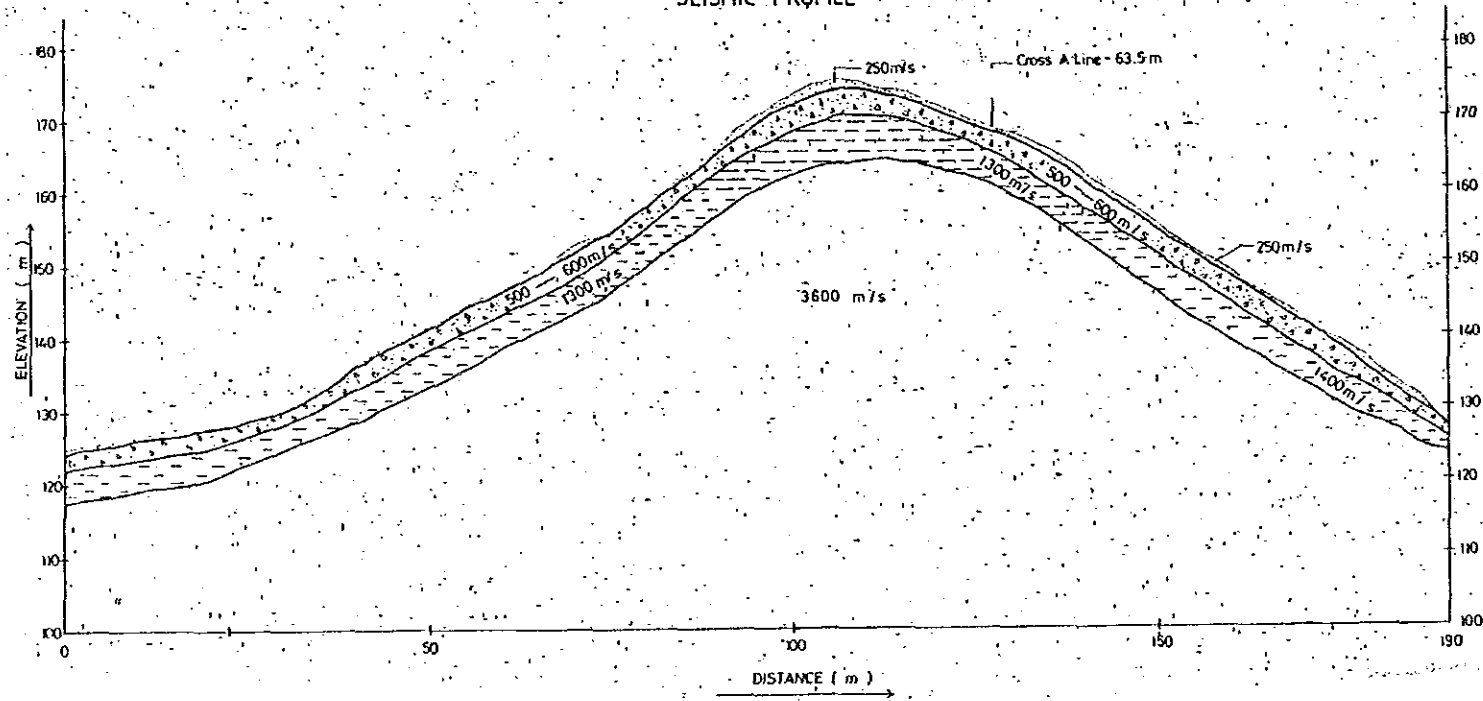
Date of survey : 18.06.87  
 Seismic Energy Source : 12 G.A. SHELLS  
 Recording Instrument : OYO MCSEIS 1500, 24 Channel System  
 Recording Mode : Digital, 8-BIT WORDS, 1024 WORDS PER Channel, stored in floppy Diskettes.

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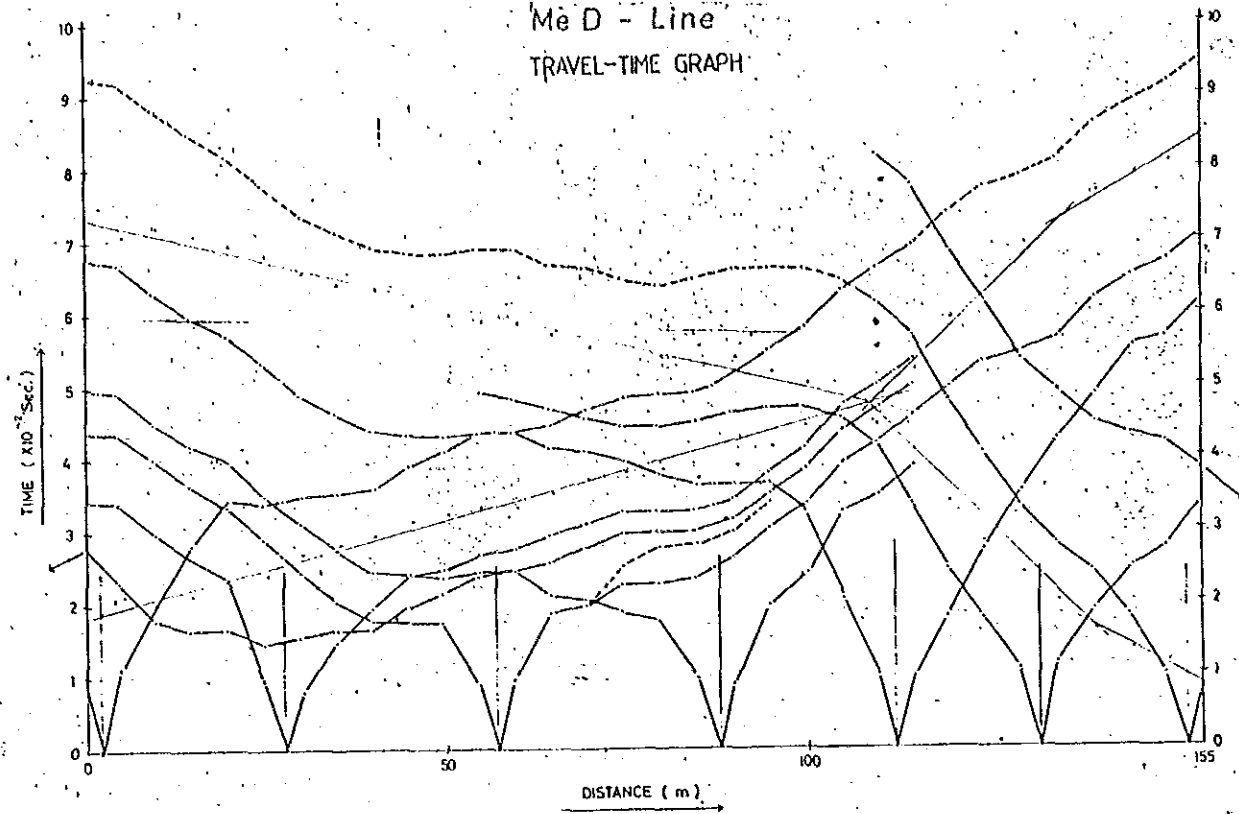
Me C - Line  
TRAVEL-TIME GRAPH



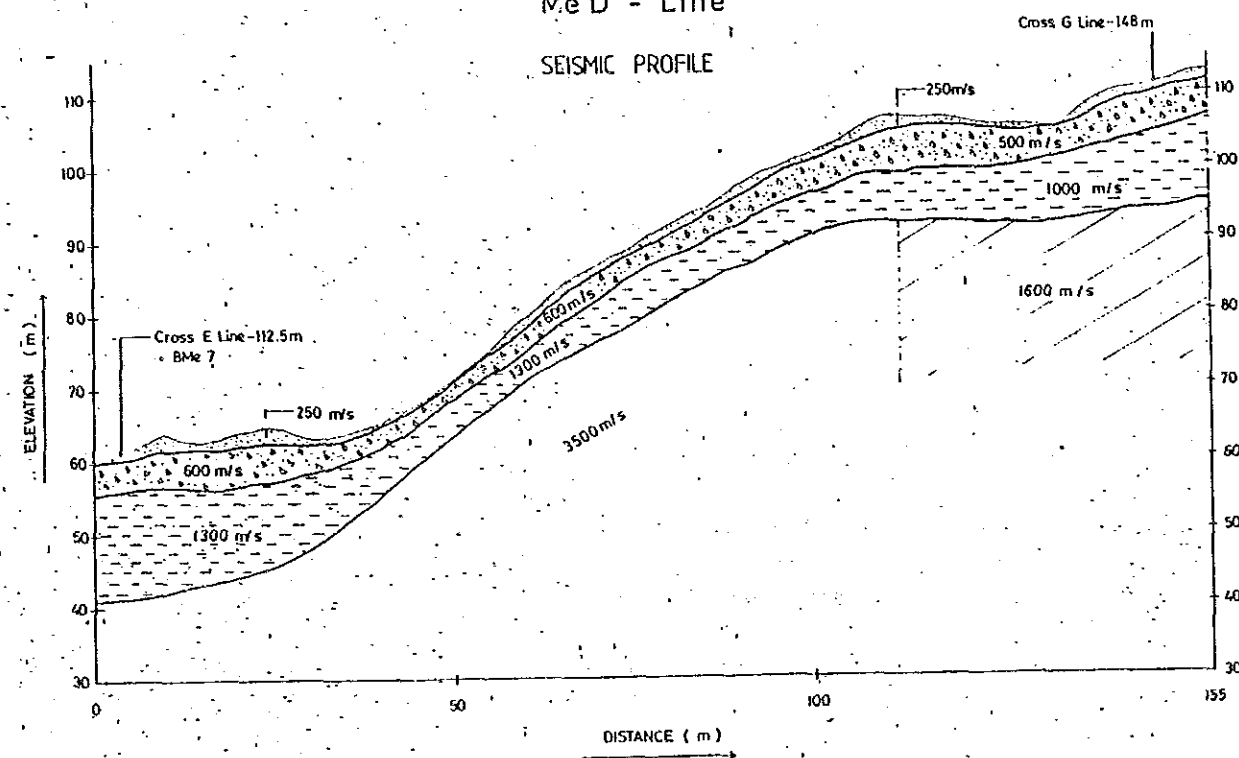
Me C - Line  
SEISMIC PROFILE



Me D - Line  
TRAVEL-TIME GRAPH



Me D - Line  
SEISMIC PROFILE



LEGEND

- Top soil - Completely weathered rock + Stopwash material
- Highly weathered - Highly to moderately weathered rock material
- Moderately weathered - Moderately to slightly weathered rock material
- Slightly weathered - Fresh rock
- Ground profile
- Rock / Soil refractor
- Velocity boundary within bedrock

Scale: 1 : 500

SURVEY INFORMATION

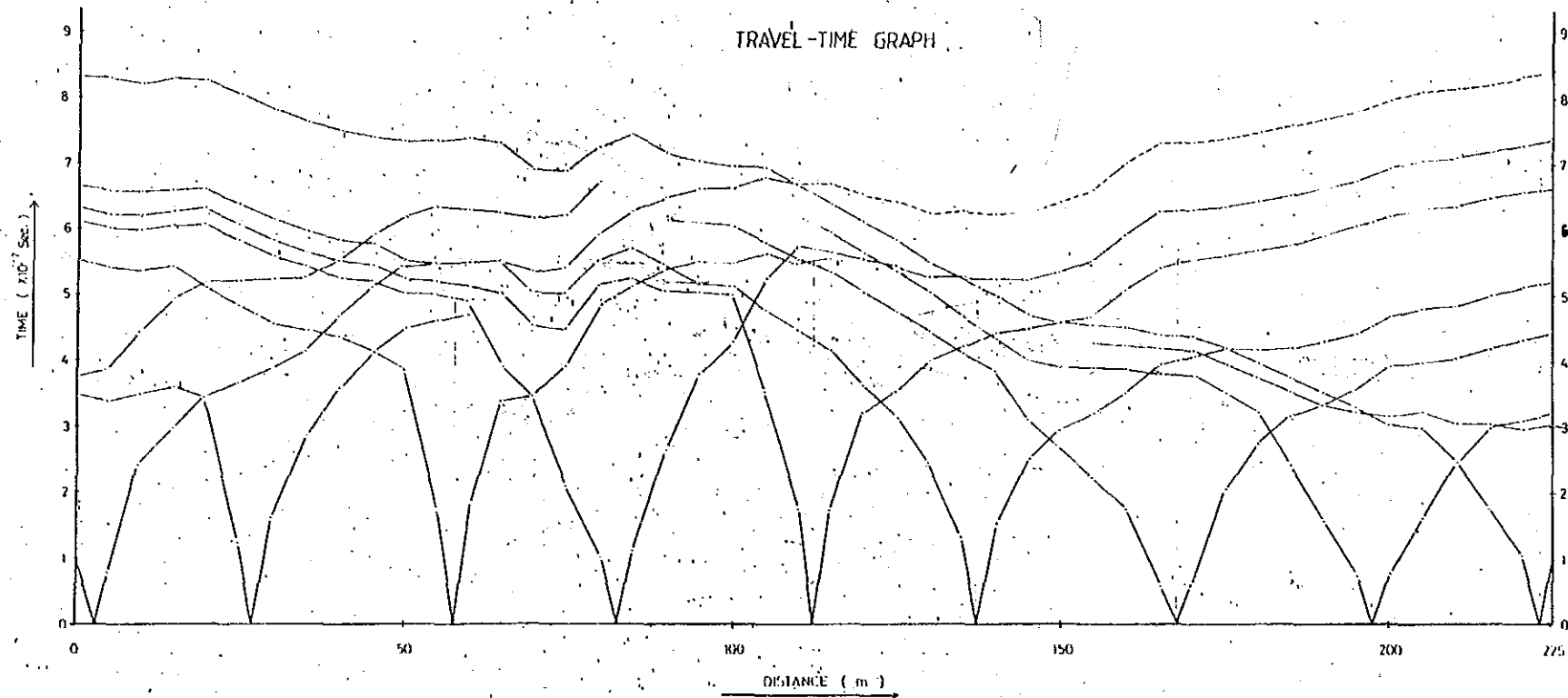
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 Seismic: Energy Source: 12 G.A. SHELLS  
 Recording Instrument: OYO MCSEIS 1500, 24 Channel System  
 Recording Mode: Digital, 8-BIT WORDS, 1024 WORDS PER Channel, stored in floppy Diskettes.

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Me E -- Line

TRAVEL-TIME GRAPH



LEGEND

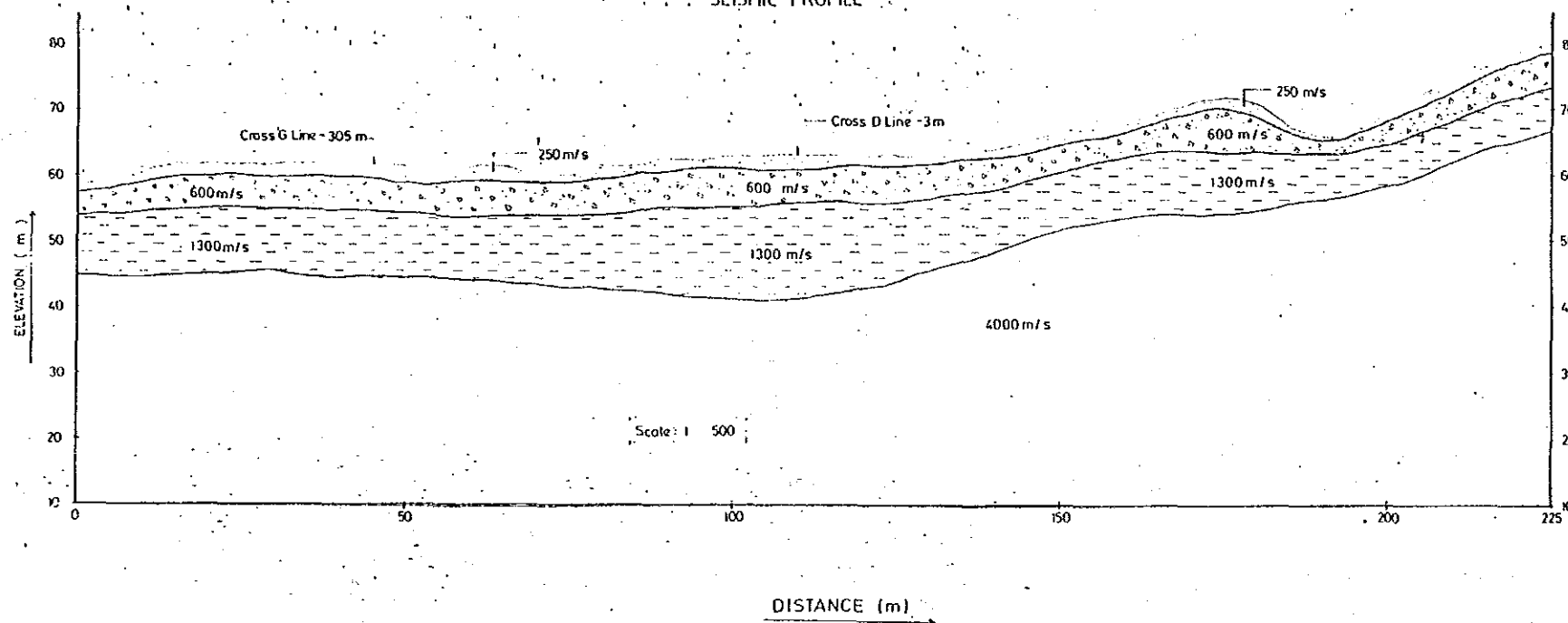
- Top soil + Completely weathered rock + Stopwash material
- Highly weathered + Highly to moderately weathered rock material
- Moderately weathered + Moderately to slightly weathered rock material
- Slightly weathered + Fresh rock
- Ground profile
- Rock / Soil refractor
- Velocity boundary within bedrock

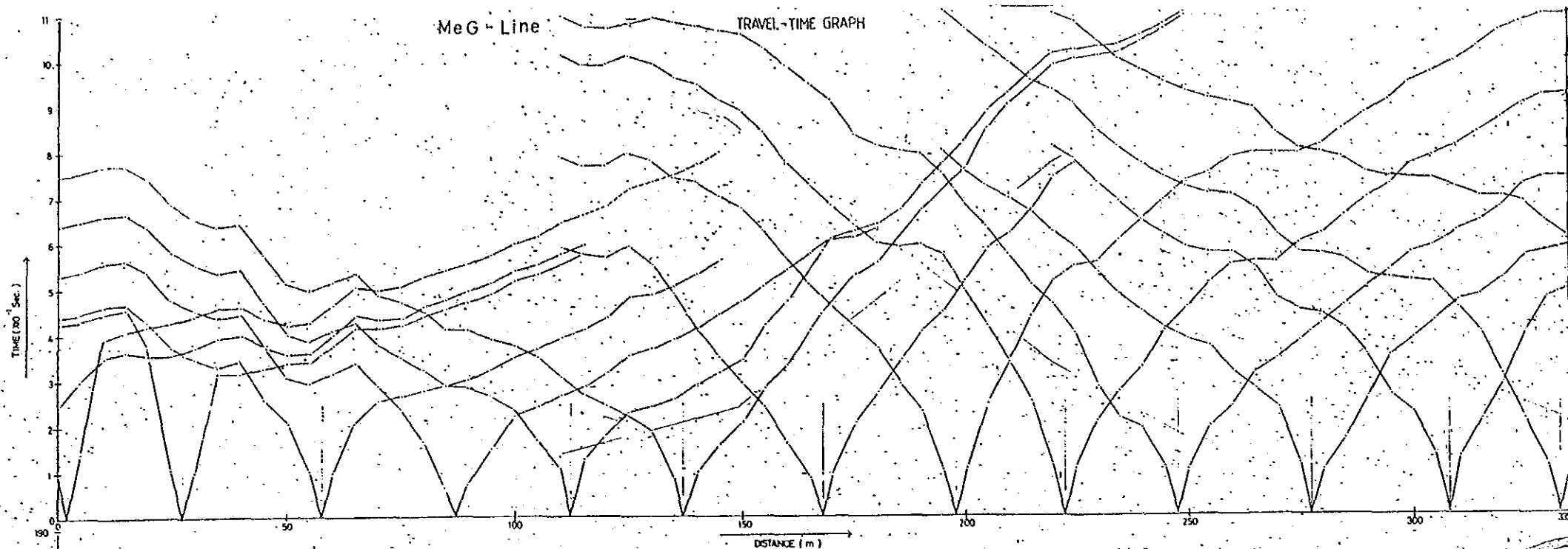
SURVEY INFORMATION

Date of survey : 18. 06. 87  
 Seismic Energy Source : 12 G.A. SHELLS  
 Recording Instrument : OYO MCSEIS 1500, 24 Channel System  
 Recording Mode : Digital, 8-BIT WORDS, 1024 WORDS PER Channel,  
 stored in floppy Diskettes

Me E -- Line

SEISMIC PROFILE

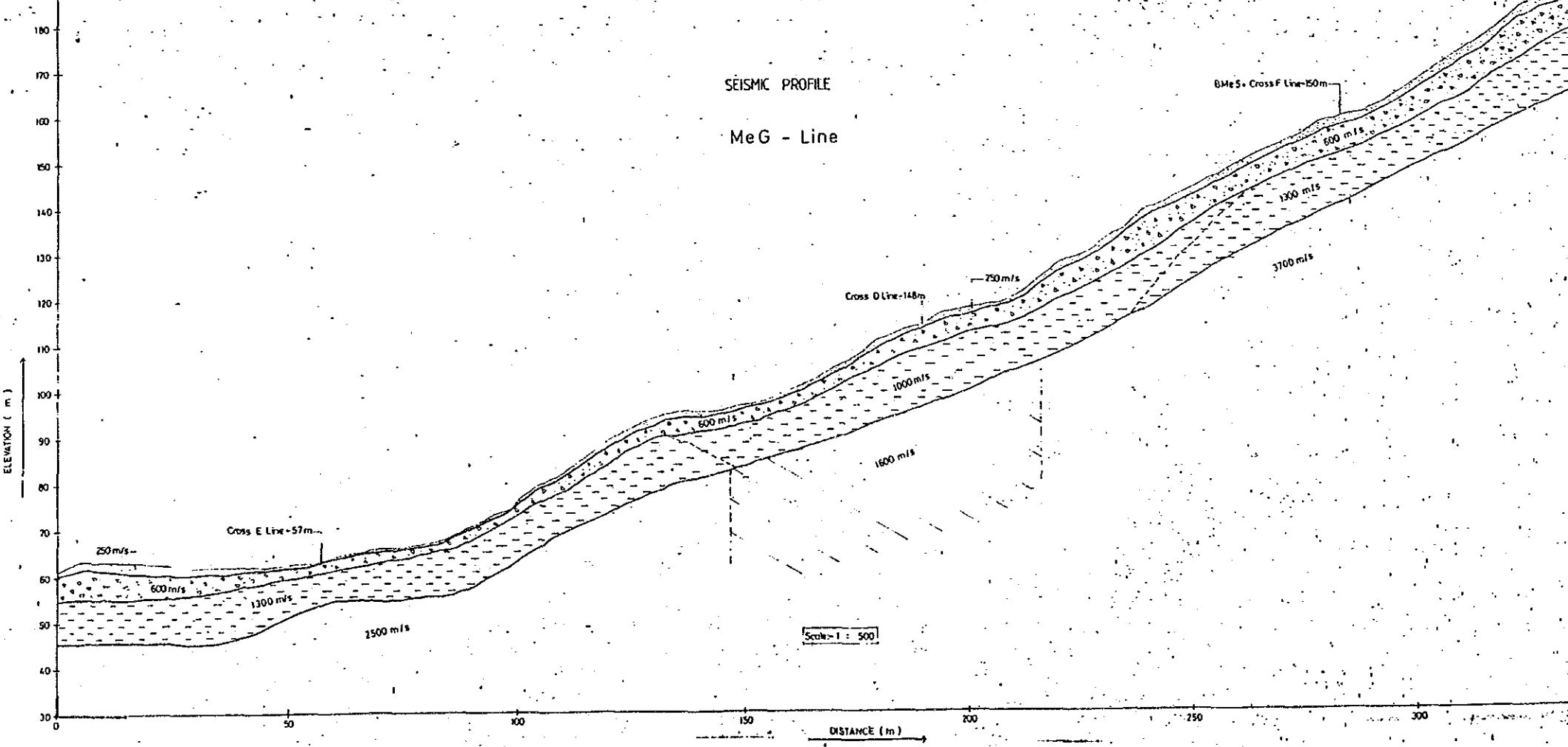




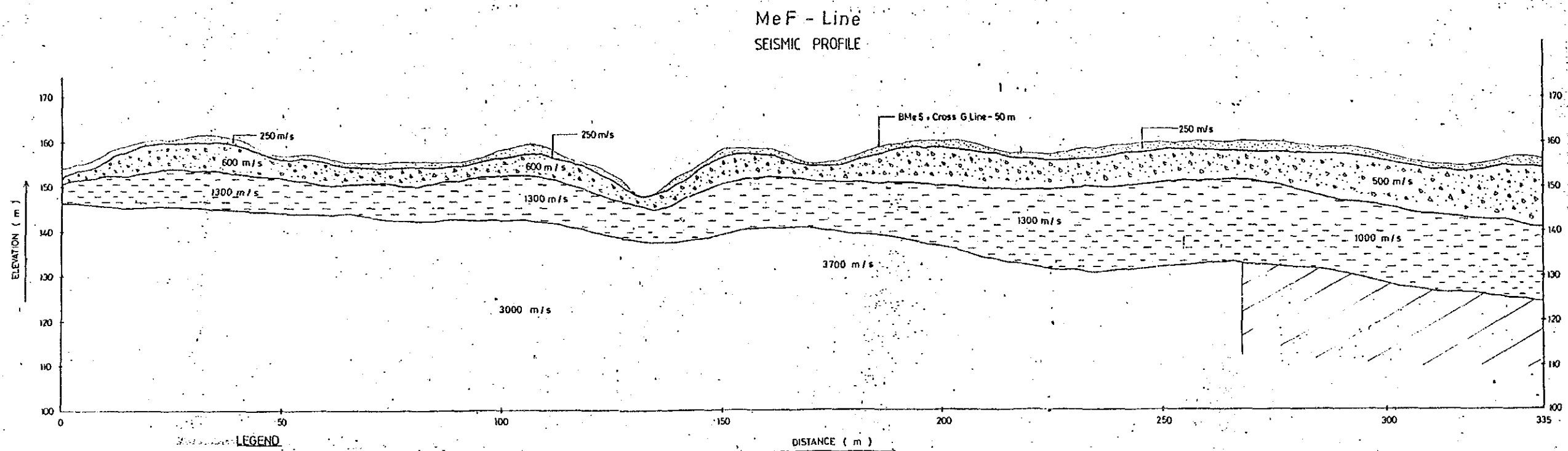
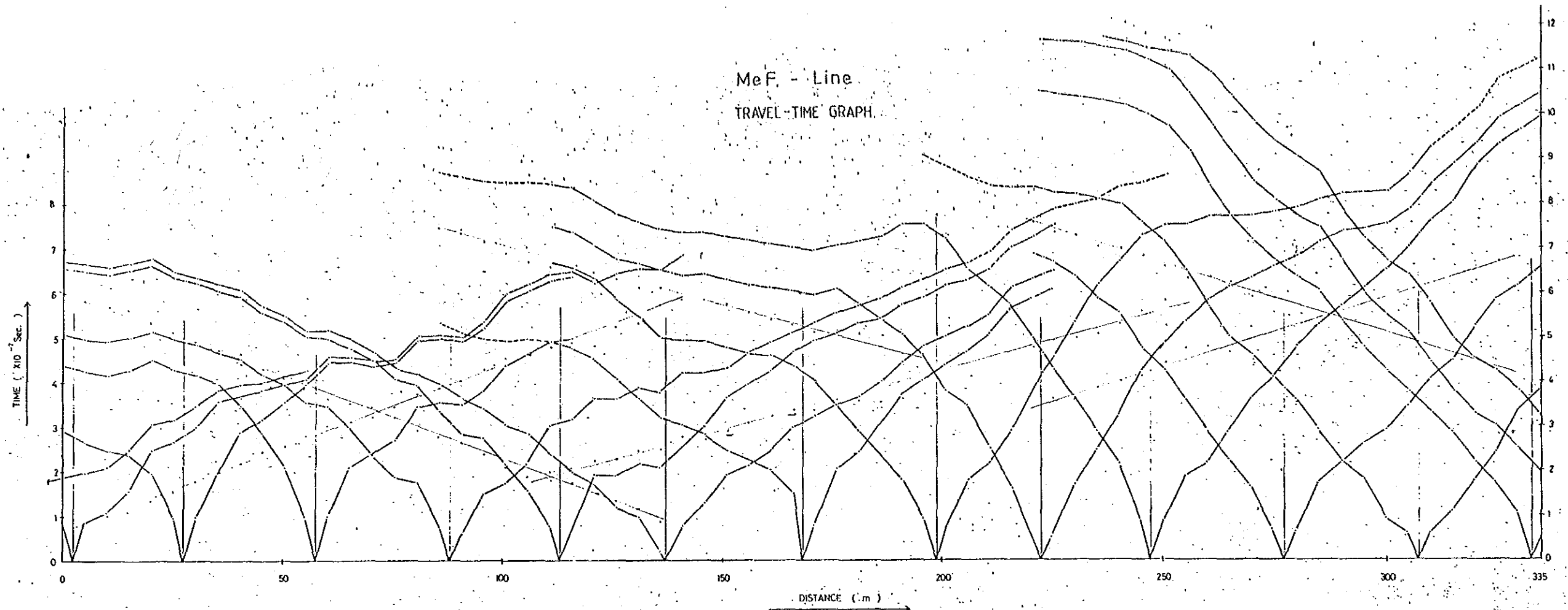
- LEGEND**
- Top soil - Completely weathered rock - Stopwash material
  - Highly weathered - Highly to moderately weathered rock material
  - Moderately weathered - Moderately to slightly weathered rock material
  - Slightly weathered - Fresh rock
  - Ground profile
  - Rock / Soil reflector
  - Velocity boundary within bedrock

**SURVEY INFORMATION**

Date of survey : 18 05 87  
 Seismic Energy Source 12 GA SHELLS  
 Recording Instrument OYO MCSEIS 1500, 24 Channel System  
 Recording Mode Digital, 8-BIT WORDS, 1024 WORDS PER Channel, stored in floppy Diskettes



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- LEGEND**
- Top soil - Completely weathered rock - Stopwash material
  - Highly weathered - Highly to moderately weathered rock material
  - Moderately weathered - Moderately to slightly weathered rock material
  - Slightly weathered - Fresh rock
  - Ground profile
  - Rock / Soil refractor
  - Velocity boundary within bedrock

Scale \* 1 : 500

**SURVEY INFORMATION**

Date of survey : 18. 06. 87.  
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