





# SCHLUMBERGER

# LATEROLOG

COUNTRY SPAIN	COMPANY CIEPSA
FIELD ATAURI	WELL 1
WELL 1	COMPANY CIEPSA
COUNTRY SPAIN	STATE ALAVA
FIELD ATAURI	WELL 1
Location :	Other Services : CAL - GRL
Ref. No	

Permanent Datum	K.B.	Elev. :	
Log Measured From	K.B.	Ft. Above Perm. Datum	D. F.
Drilling Measured From	K.B.	Ft. Above Perm. Datum	G. L.

RUN No.   Depth Scale	1   1/1000
Date	29 August 1967
First Reading	148,5
Last Reading	28
Interval Measured	120,5
Casing Schlumberger	28
Casing Driller	30
Depth Reached	150
Bottom Driller	152
Mud Nature	Bentonite
Density   Viscosity	-   -
Mud Resistivity	1 @ 72 °F
Mud Resistivity BHT	- @ - °F
pH   Fluid Loss	-   - CC/30 min.
Origin of Sample	CIRCULATION
Rmf	- @ - °F
Rmc	- @ - °F
Bit Size 1	14 3/4" To 150
Bit Size 2	To To
Casing Size	16"
Operating Rig Time	1 HR
Truck No.	4504
Recorded By	SIERRA - HUYGHE
Witness	LLAMAZARES

REMARKS : SP curve recorded 7,20 m. too deep

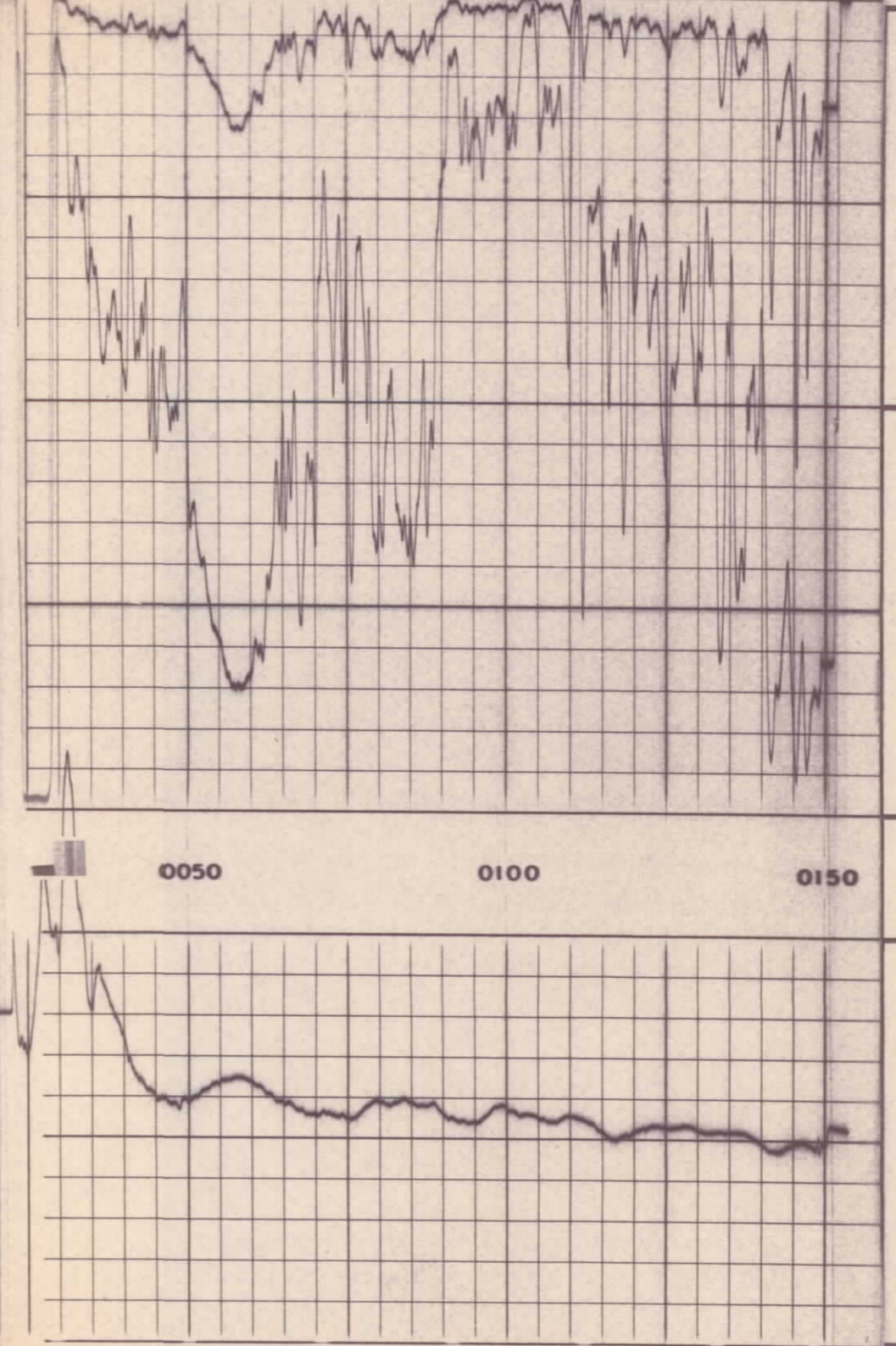
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LATEROLOG 3  
Guard Length 5'  
Beam Width 12"

20139

RECORDING DATA		EQUIPMENT DATA	
RUN No	1	RUN No	1
Cartridge Sens	41	Sonde	CLS-B 49
		Cartridge	CLC-A 74
		Panel	CLP-A 71

SPONTANEOUS POTENTIAL millivolts	RESISTIVITY ohms - m <sup>2</sup> /m	RESISTIVITY ohms - m <sup>2</sup> /m	RESISTIVITY ohms - m <sup>2</sup> /m
DEPTHS	DEPTHS	DEPTHS	DEPTHS
10	50	50	200
1/1000	1/1000	1/1000	0



SPONTANEOUS POTENTIAL millivolts	RESISTIVITY ohms - m <sup>2</sup> /m	RESISTIVITY ohms - m <sup>2</sup> /m	CONDUCTIVITY millimhos - m/m <sup>2</sup>
DEPTHS	DEPTHS	DEPTHS	DEPTHS
10	50	50	200
1/1000	1/1000	1/1000	0

COMPANY	CIEPSA
WELL	1
FIELD	ATAURI
COUNTRY	SPAIN
STATE	BURGOS

SCHL. F.R. 148,5  
SCHL. T.D. 150  
DRLR. T.D. 152

CALIBRATION FILMS



# BOREHOLE COMPENSATED SONIC LOG - GAMMA RAY

## 20139

COUNTRY: SPAIN  
 FIELD: ATAUPT  
 WELL: 1  
 COMPANY: CI&PSA

COUNTRY: SPAIN  
 STATE: ALAYA  
 Location: \_\_\_\_\_  
 Other Services: \_\_\_\_\_

Permanent Datum: KB  
 Log Measured From: KB  
 Drilling Measured From: KB  
 Elev.: KB  
 Fr. Above Perm. Datum: KB  
 Fr. Above Perm. Datum: G.L.

Date: 30 Sept. 1922  
 Log Reading: 1922  
 Interval Measured: 1392

casing Slambriger: 921.6  
 Depth Received: 1923  
 Mud Nature: Part Col. 1.6  
 Density / Viscosity: N.A. / N.A.  
 Mud Resistivity/BHT: N.A. / N.A.  
 pH / Fluid Loss: N.A. / N.A.  
 Original Sample: N.A. / N.A.  
 Bit Size: 12 1/4" to 1923  
 Casing Size: 13 3/4"  
 Casing Log Time: 3:17  
 Recorded by: D. SIBRA  
 Witness: J. MADRARI

REMARKS:

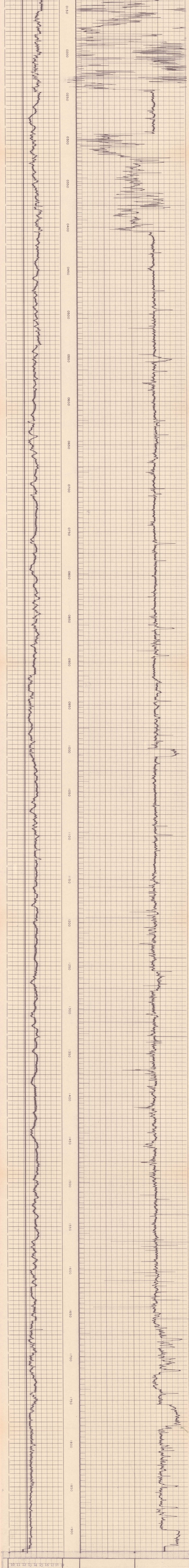
Velocity (Feet/sec) =  $\frac{1000000}{\text{Interval Transit Time (microsec. ft)}}$

GAMMA RAY CALIBRATION DATA				GAMMA RAY RECORDING DATA			
Background	cps	cps	cps	Run No			
+ Test Source	cps	cps	cps	Fluid Level			
Galva Increase	div.	div.	div.	Sensitivity Tap			
Sensitivity Tap				Time Constant			
BHC SONIC RECORDING DATA				CR Fans! No			
Centralizers	SIFING			CR Cartridge No			
Cartridge No	SLS-B 234			CR Detector No			
Sonde No	SLS-D 222						
Panel No	SLS-B 225						

GAMMA RAY		INTERVAL TRANSIT TIME	
API UNITS	DEFTHS	microseconds per foot	Spacing

GAMMA RAY ZERO DIVISIONS TO LEFT OF THIS LINE

CALIPER Inches



GAMMA RAY		INTERVAL TRANSIT TIME	
API UNITS	DEFTHS	microseconds per foot	Spacing

GAMMA RAY ZERO DIVISIONS TO LEFT OF THIS LINE

CALIPER Inches

COMPANY: CI&PSA  
 WELL: 1  
 FIELD: ATAUPT  
 COUNTRY: SPAIN STATE: ALAYA

SCHL. F.R. 1922  
 SCHL. T.D. 1923  
 DRLR. T.D. 1923

**SCHLUMBERGER****GAMMA RAY**

COUNTRY SPAIN	COMPANY CIEPSA	20139
FIELD ATAURI	WELL 1	
WELL 1	FIELD ATAURI	
COMPANY CIEPSA	COUNTRY SPAIN	STATE ALAVA
Location :		Other Services : CAL-L-3
Permanent Datum <u>K.B.</u> Elev. : _____		Elev. : K.B. _____
Log Measured From <u>K.B.</u> Ft. Above Perm. Datum _____		D.F. _____
Drilling Measured From <u>K.B.</u> Ft. Above Perm. Datum _____		G.L. _____
RUN No.   Depth Scale	1   1/1000	
Date	29 August 1967	
First Reading	148	
Last Reading	000	
Interval Measured	148	
Casing Schlumberger	28	
Casing Driller	30	
Depth Reached	150	
Bottom Driller	152	
Mud Nature	Bentonite	
Density   Viscosity	—   —	
Mud Resistivity	1 @ 72 °F	@ °F
Mud Resistivity BHT	@ °F	@ °F
pH   Fluid Loss	—   — CC/30 min.	CC/30 min.   CC/30 min.
Origin of Sample	CIRCULATION	
Rmf	@ °F	@ °F
Rmc	@ °F	@ °F
Bit Size 1	14 3/4" To 148	To To
2	To To	To To
Casing Size	16"	
Operating Rig Time	1 HR.	
Truck No.	4504	
Recorded By	SIERRA - HUYGHE	
Witness	LLAMAZARES	

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REMARKS :

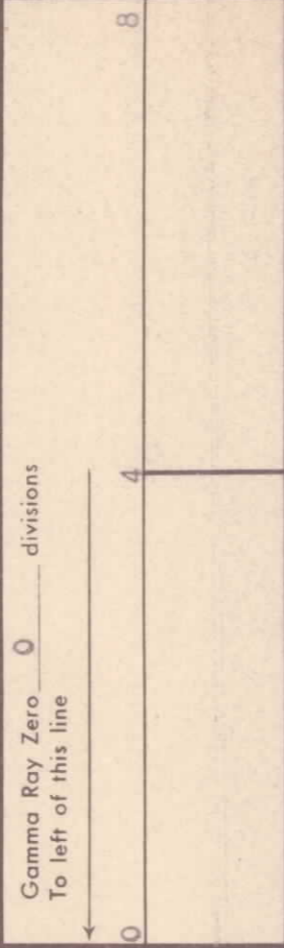
GAMMA RAY RECORDING DATA

GAMMA RAY CALIBRATION DATA

RUN No	1	Full
Fluid Level	200	
Sensitivity Tap	3	
Time Constant	20 ft/m	
Recording Speed	GNC-D 324	
Cartridge No	SGD-F 269	
Detector No		
Ref. No		
cps		
cps		
div.		
50		
400		
100		
500		
Background		
+ Test Source		
Galva Increase		
Sensitivity Tap		

GAMMA RAY

DEPTHS



1/1000

0000

0050

0100

0150

1/1000

DEPTHS

GAMMA RAY

Gamma Ray Zero 0 divisions  
To left of this line

pick-up tension

COMPANY CIEPSA  
WELL 1  
FIELD ATAUURI  
COUNTRY SPAIN

STATE ALAVA

SCHL. F.R. 148  
SCHL. I.D. 150  
DRR. I.D. 152

CALIBRATION FILMS

20139

C. I. E. P. S. A.

# ATAURI - 1

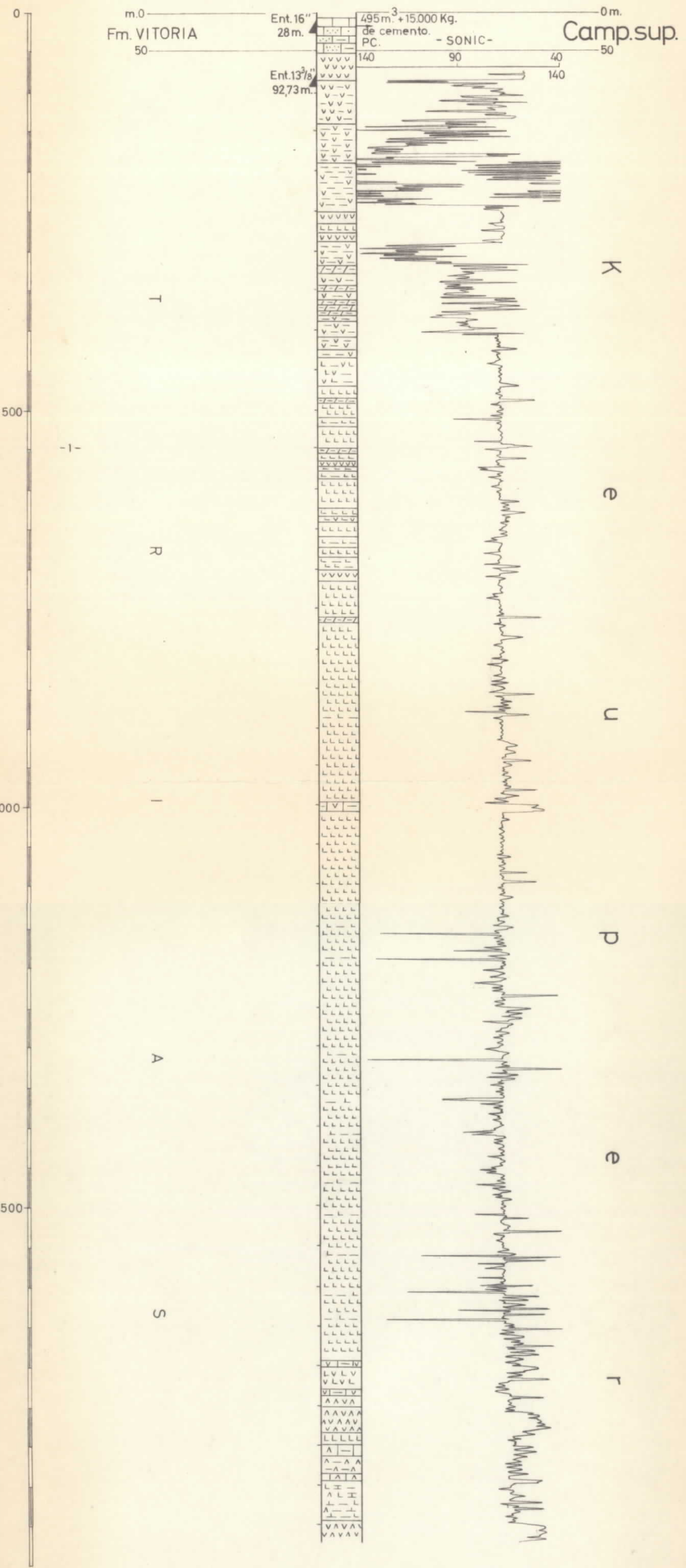
20/8/1967 - 30/9/1967

42° 43' 14" N.

1° 15' 26" E.

721,00m.a.s.l.

- TESTIGOS -



Profundidad total 1923 m.

Escala 1:5.000