Bergvesenet

Postboks 3021, 7002 Trondheim

Rapportarkivet

Bergvesenet rapport nr	Intern Journal nr	Internt arkiv nr	Rapport lokalisering	Gradering
BV 2011				**Fortrolig**
Kommer fra ..arkiv Sulitjelma Bergverk A/S	Ekstern rapport nr "544110010"	Oversendt fra	Fortrolig pga	Fortrolig fra dato:

Tittel

Borhullsmülinger. Sydfeltet 1985. Borhullsgeofysikk.

Forfatter	Dato	Bedrift
STIEN R.	1985	Sulitjelma Gruber A/S

Kommune	Fylke	Bergdistrikt	1: 50 000 kartblad	1: 250 000 kartblad

Fagområde	Dokument type	Forekomster
Råstofftype	Emneord	

Sammendrag

Resultat fra borhullsgeofysikk i Sydfeltet sommeren 1985. Data fra Dbh.92, Dbh.178, Dbh.185. SP, RESISTIVITET, GAMMA, KONDUKTIVITET og SUSCEPTBILITET er mült i de fleste hull. Mülingene presentert i M=1:500 og 1:2500. Müling.

Dbh 117 : SUS og KOND
Feil data, verdilaus
måling, (sjá dagboka)

Dbh 178 KOND: Feil data ...
Dbh 216 Ressim : -.,- → 220 m
220 Res. 1m . Feil data 550-300 m
Dbh 216 GAMMA : Feil data !
Dbh 117 SP-ION : Feil data !

GEOFYSISKE BORHOLSMÅLINGER I SYDGRUVEFELTET, 1985.

Sommaren 1985 ble det starta opp med geofysiske målinger i borhol med det nye loggeutstyret fra SGAB.

Vi begynte i juli i sydfeltet, i området Lillyvann – Jakobsbakken – Villumsvann.
Mannskapet besto av Frank Hernes, Tord Valla og Rune Stien.

På grunn av manglande trening og kunnskap til utstyret, gikk arbeidet nokså sakte. Det oppsto i tillegg ein god del tekniske feil med utstyret.

Følgende hol ble målt: Dbh. 92, 117, 178, 185, 216 og 220.

Dbh. 121 var tett ved ca. 6 m, og Dbh. 222 var fullt av olje el.l.

Metodane som ble brukt er : Sjølpotensial, resistivitet, gamma–stråling, konduktivitet og magnetisk susceptibilitet.

Ikkje alle desse metodane ligg føre for alle hola. Dette skuldast dels tekniske vanskar, dels feil målinger.

Målingene er presentert i kurveform i M=1:500 og M=1:2500.

Prossesseringa av dataene kom ikkje i gang for august 1986 pga. at leverandøren ikkje greidde å få programvaren klar før.

Sulis, august 1986

R. Stien

6000 y
5000 y
4000 y
3000 y
206
204
Profil C
0
500
770
1000
1500
92
1610
2000
216
2500
2600
a
b
121
2900
b
a
117
3000
3400
4400
Profil B
0
500
1000
1500
2000
2500
2900
3500
4000
Profil A
0
500
1000
1500
2000
2350
3000
Nivå 300
2,6 m à 0,3% Cu
220
185
178
219
Profil D
0
500
222
1000
1500
2000
2500
3000
Sagmo gruve
Jakobsbakken gruve

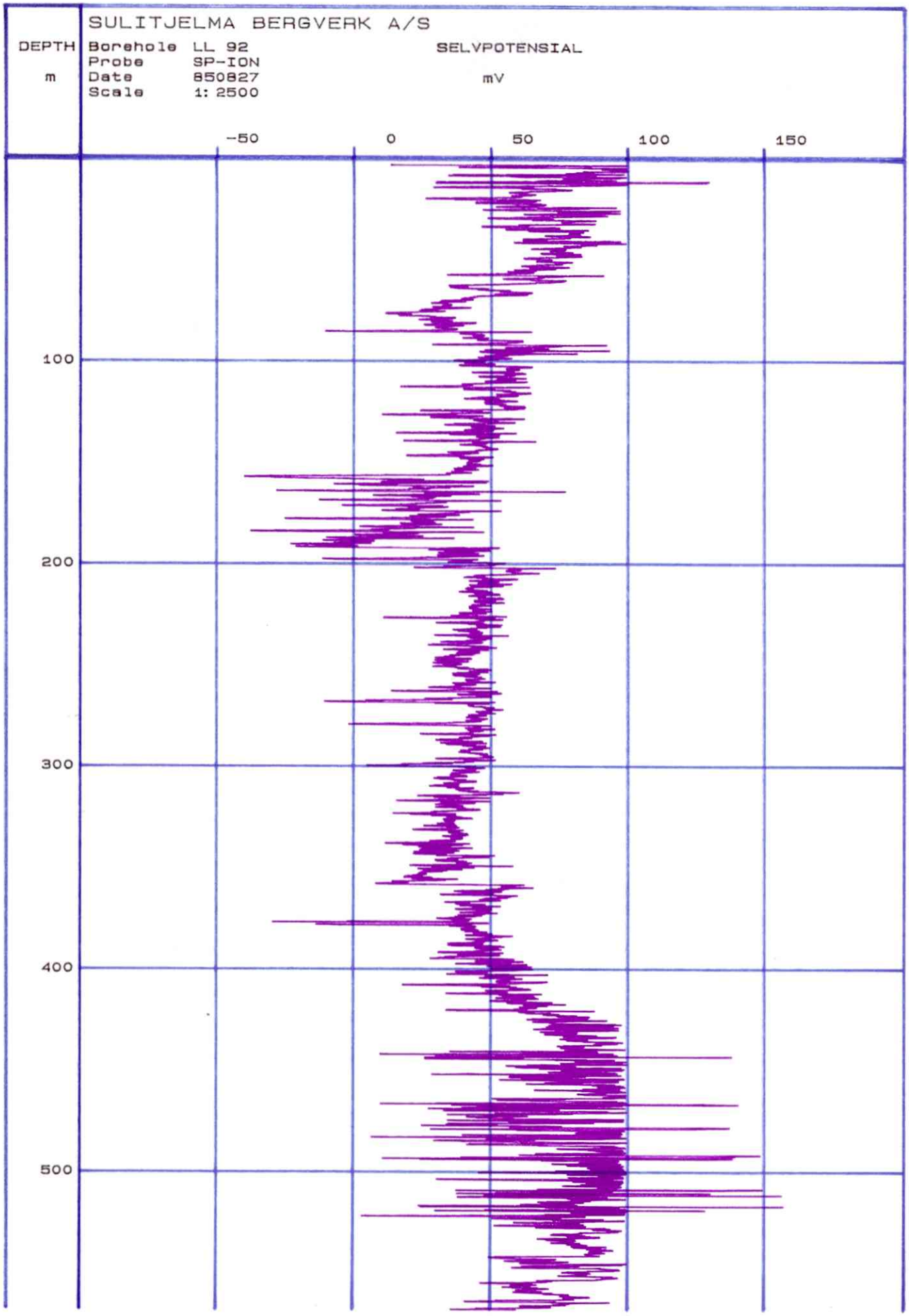
EF 213	EG 213	EH 213
EF 212	EG 212	EH 212
EF 211	EG 211	EH 211

GJERTRUDFJELL
Seismiske profiler
Profil A - D 1980/81

A/S Sulitjelma Gruber

Målestokk 1:10 000	Tegn. O.V.	Des.-80
	Trac.	
	Kfr.	
Erstatning for:		
Erstatter av:		

KALIBRERTE LOGGER


SULITJELMA BERGVERK A/S
DEPTH
m
Borehole LL 92
Probe SP-ION
Date 850827
Scale 1: 2500
SELVPOTENSIAL
mV
-50
0
50
100
150
100
200
300
400
500

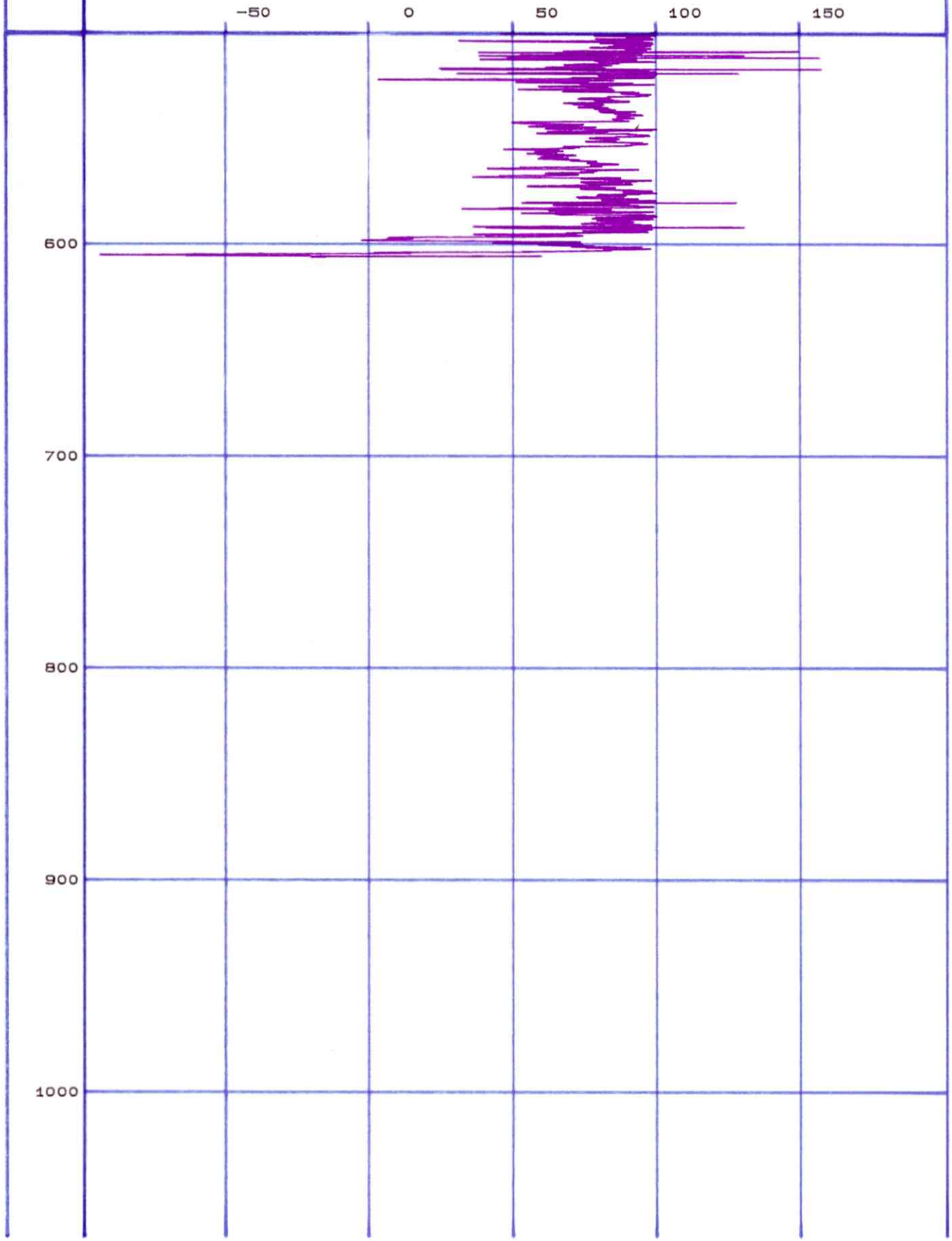
SULITJELMA BERGVERK A/S

DEPTH m

Borehole LL 92
Probe SP-ION
Date 850827
Scale 1: 2500

SELVPOTENSIAL

mV



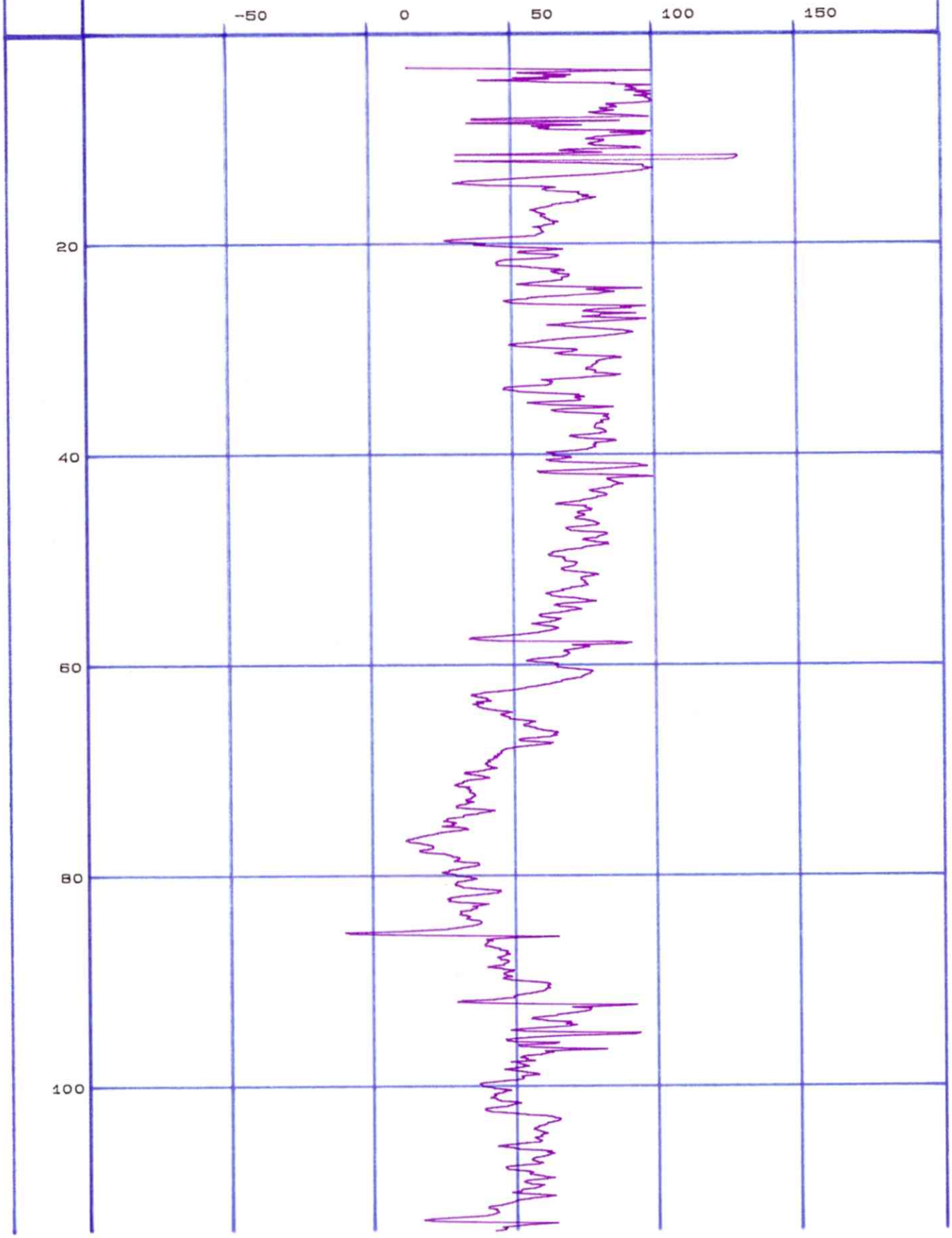
SULITJELMA BERGVERK A/S

DEPTH m

Borehole LL 92
Probe SP-ION
Date 850827
Scale 1: 500

SELVPOTENSIAL

mV



SULITJELMA BERGVERK A/S

DEPTH m

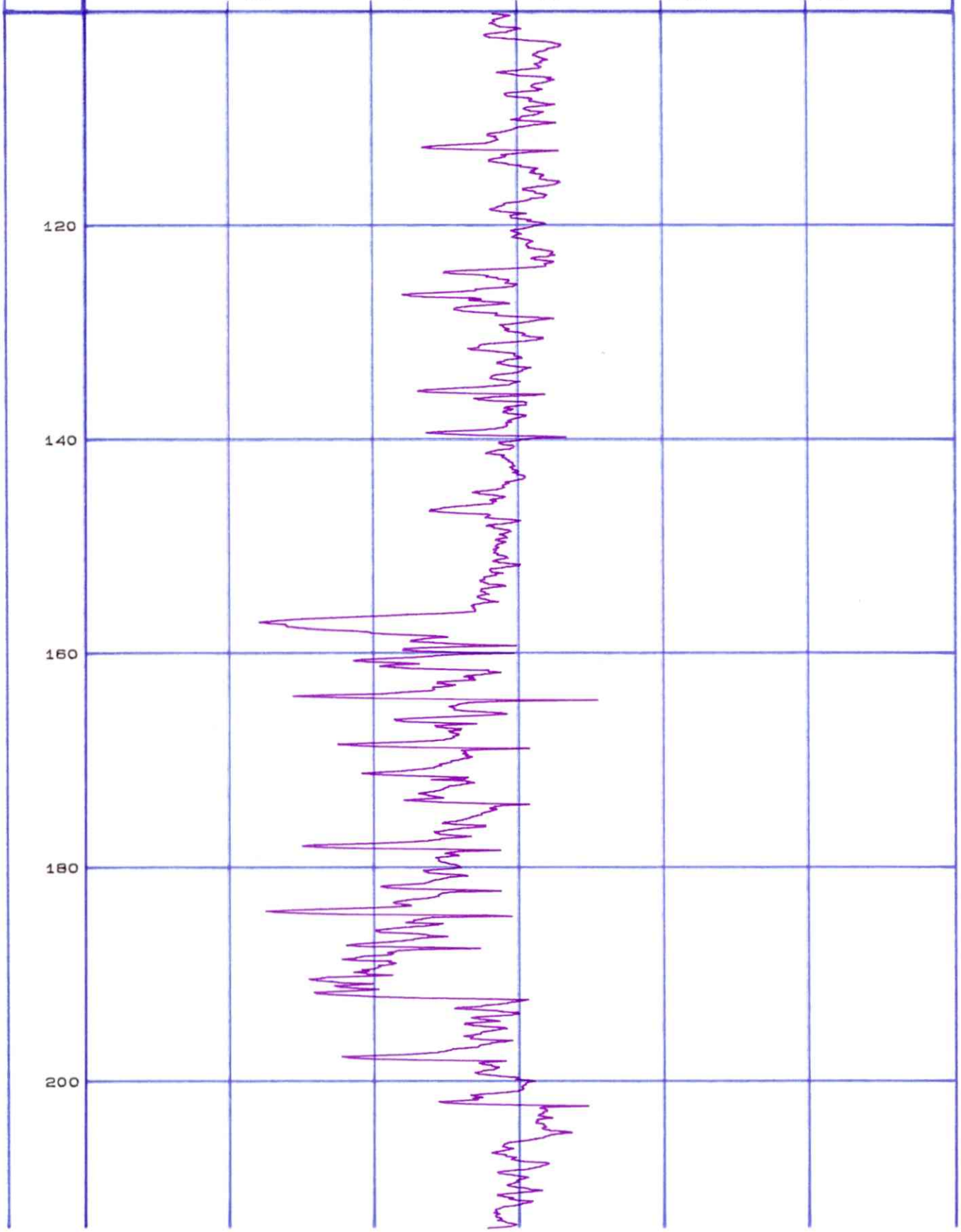
Borehole LL 92
Probe SP-ION
Date 850827
Scale 1: 500

SELVPOTENSIAL

mV

-50 0 50 100 150

120
140
160
180
200



SULITJELMA BERGVERK A/S

Borehole LL 92
Probe SP-ION
Date 850827
Scale 1: 500

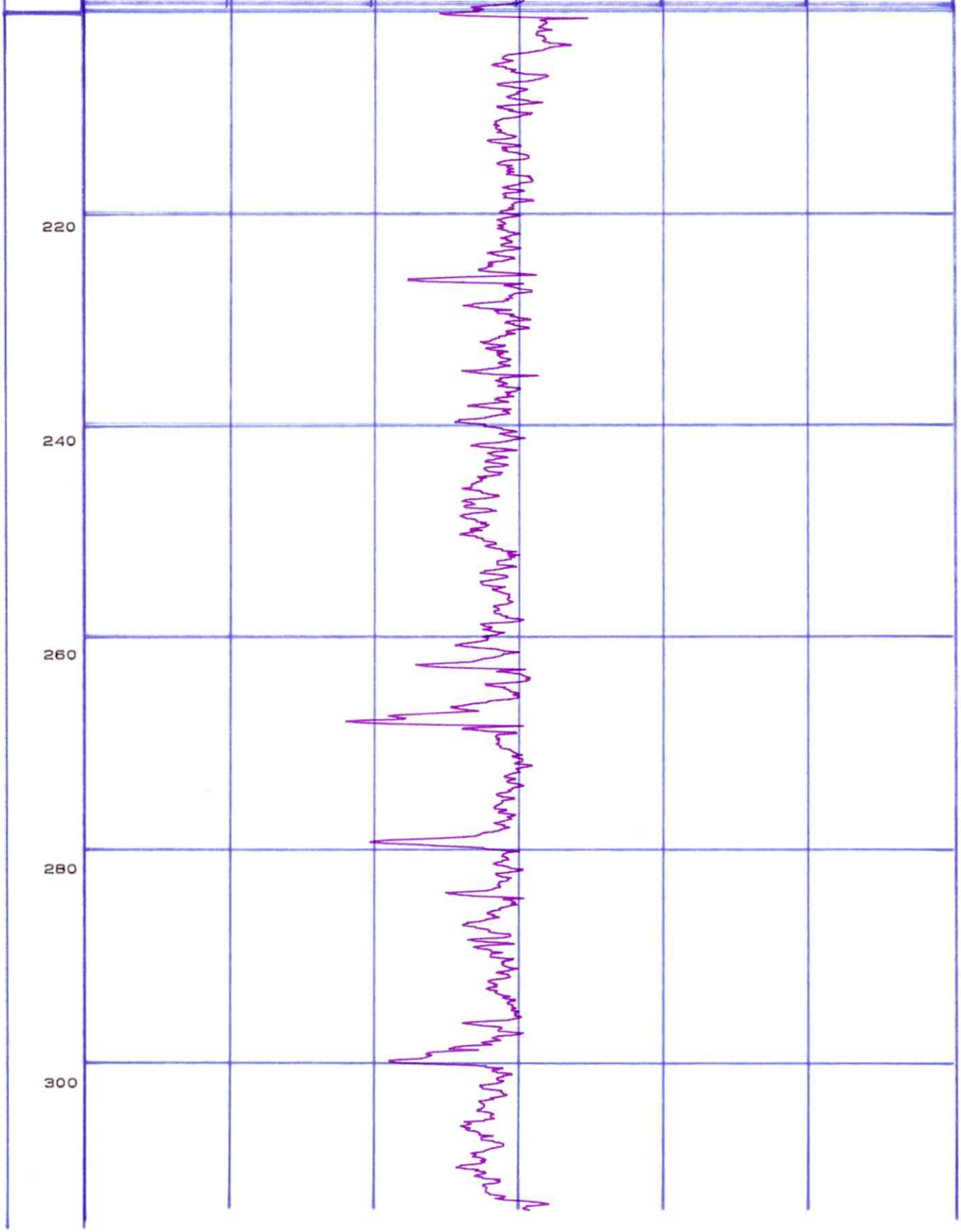
SELVPOTENSIAL

mV

DEPTH
m

-50 0 50 100 150

220
240
260
280
300

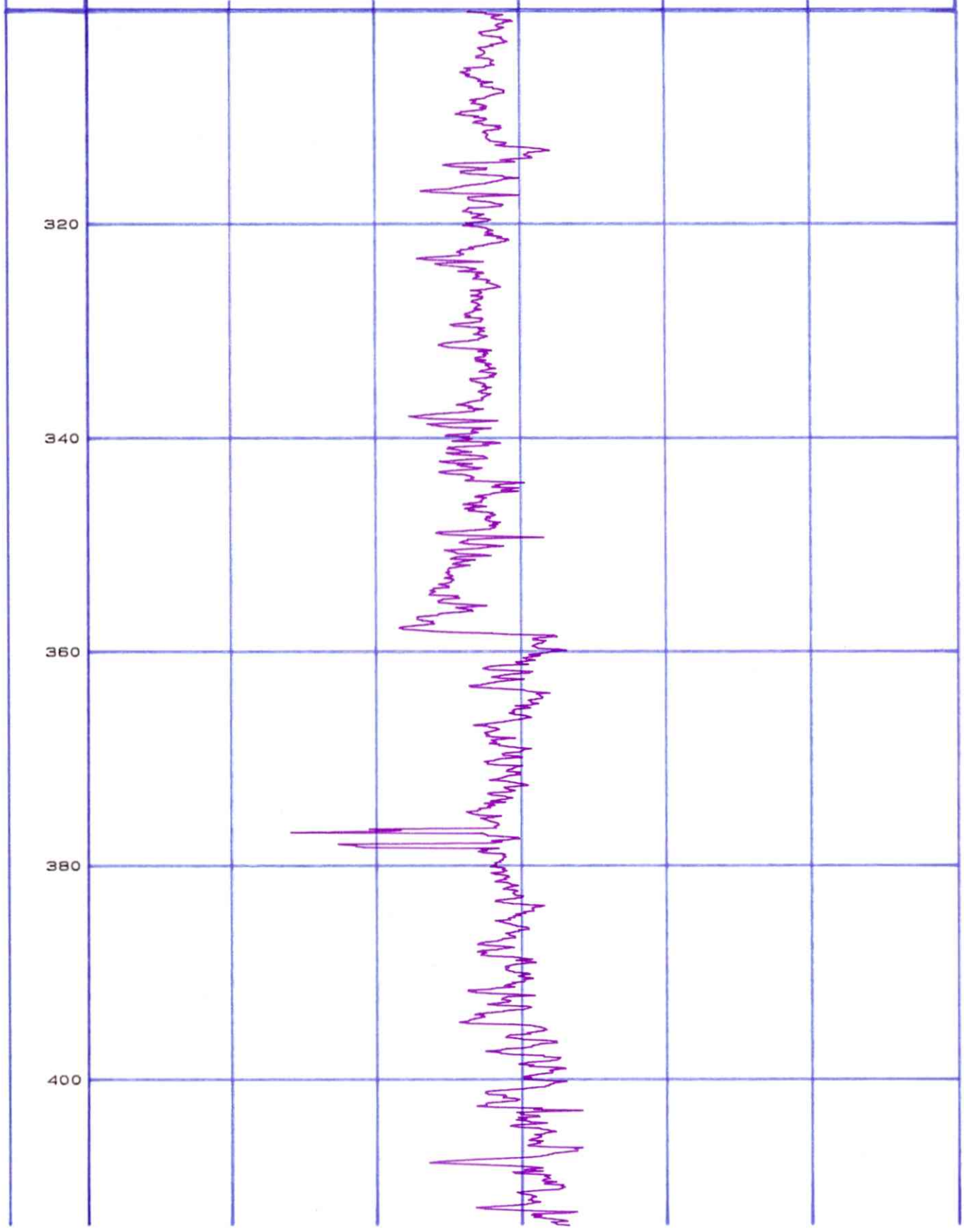


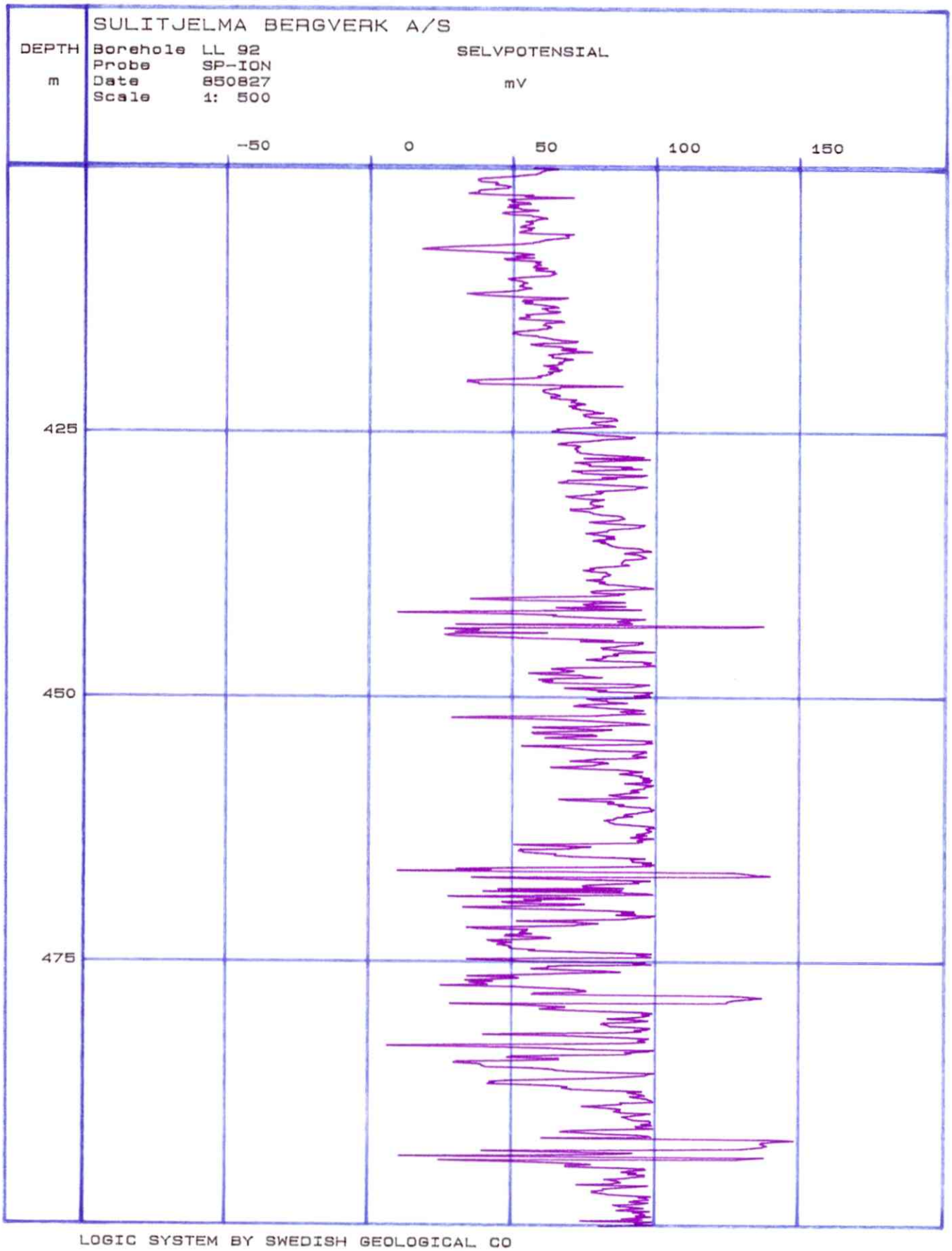
SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 92
Probe SP-ION
Date 850827
Scale 1: 500

SELVPOTENSIAL
mV





LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

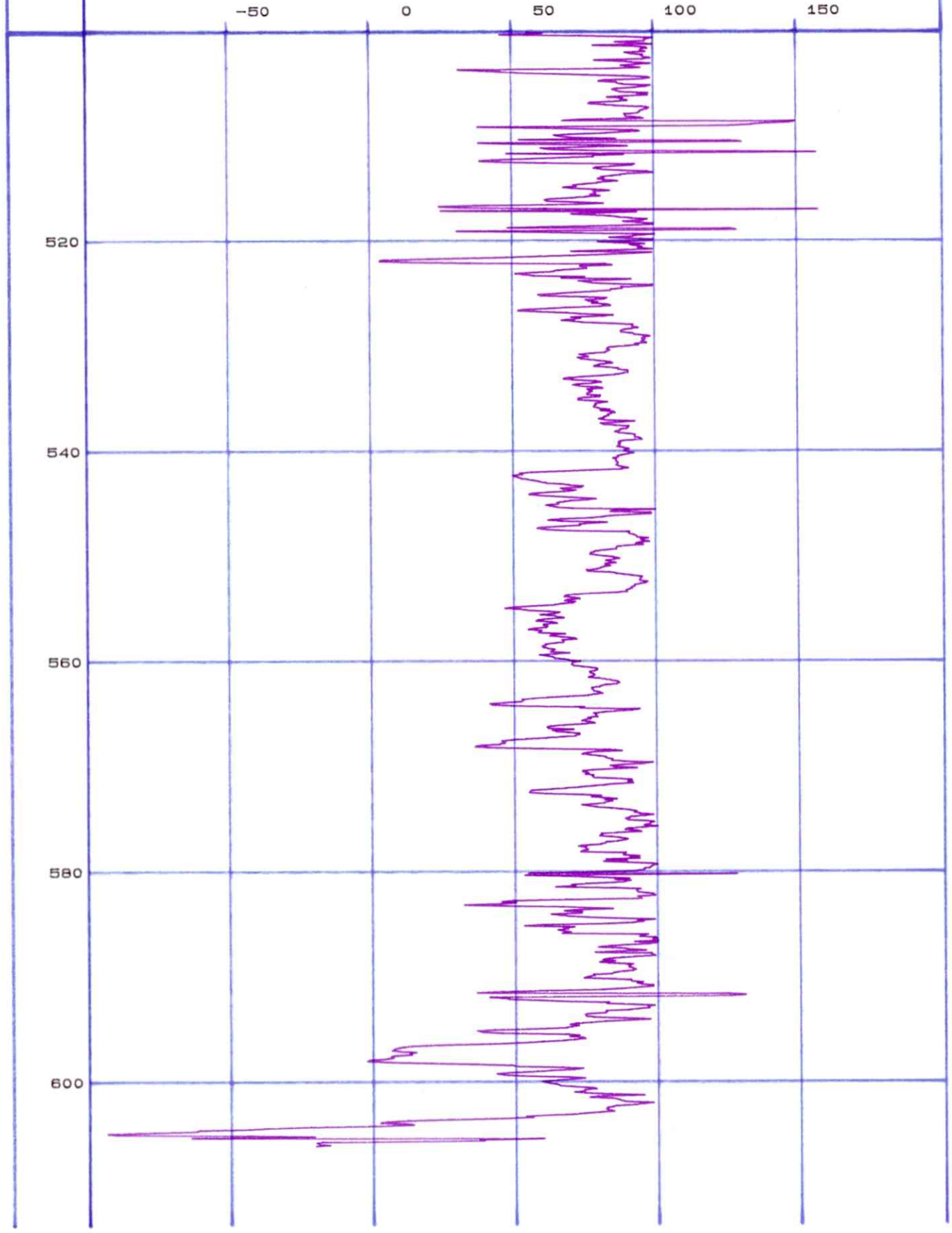
SULITJELMA BERGVERK A/S

DEPTH m

Borehole LL 92
Probe SP-ION
Date 850827
Scale 1: 500

SELVPOTENSIAL

mV

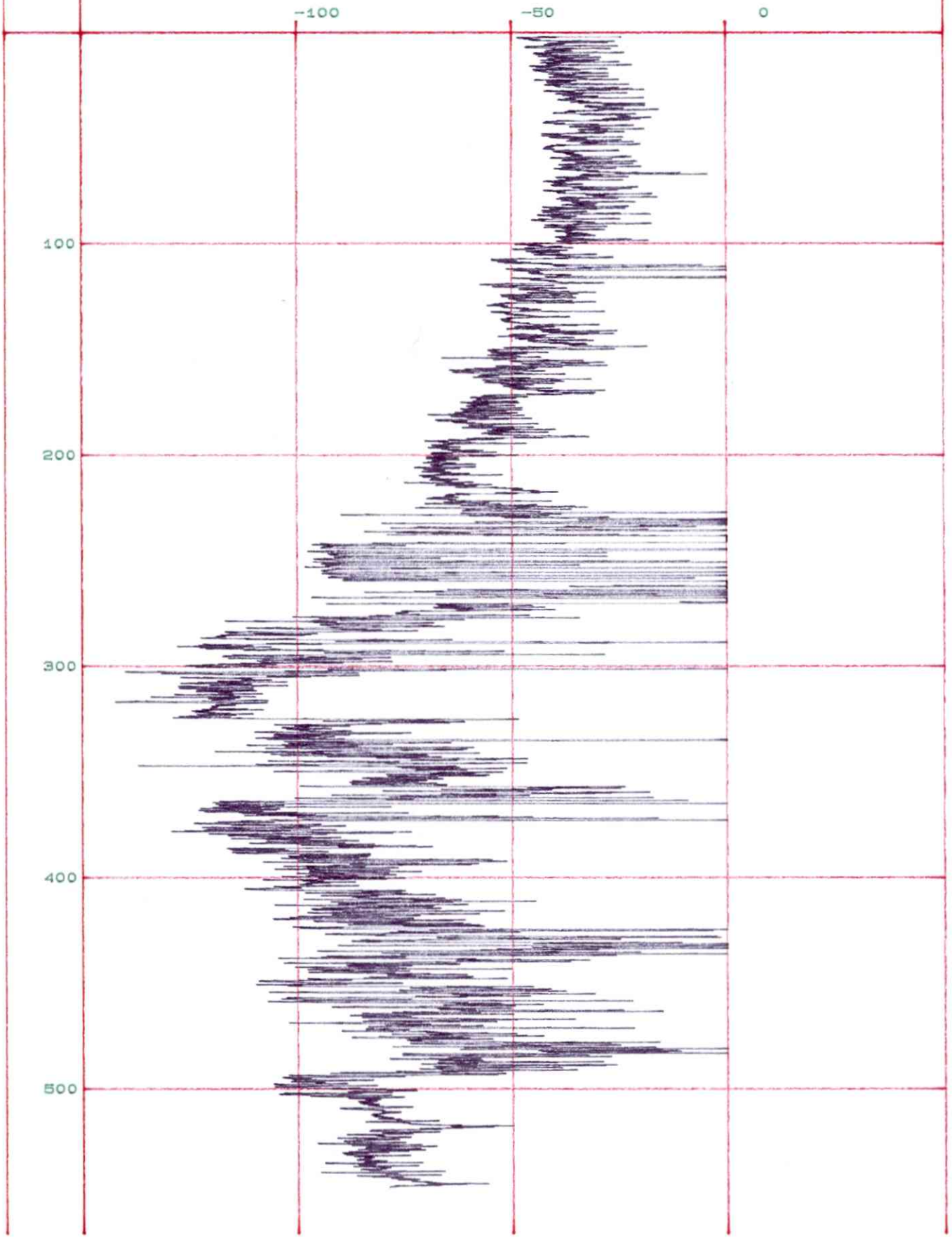


SULITJELMA BERGVERK A/S

DEPTH m

Borehole LL 178
Probe SUS-KOND
Date 850814
Scale 1: 2500

MAGN. SUSCEPT.
SI

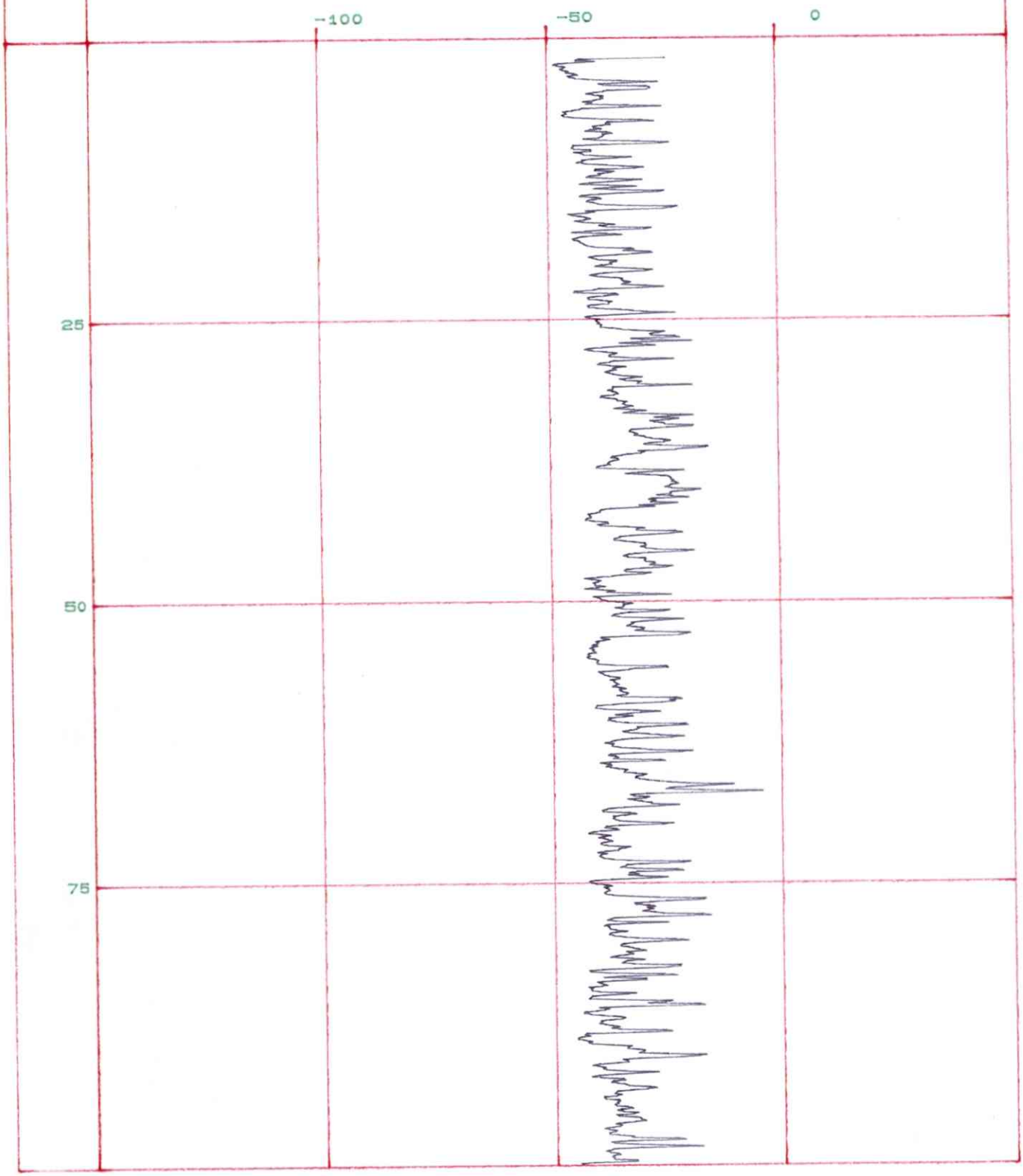


SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 178
Probe SUS-KOND
Date 850814
Scale 1: 500

MAGN. SUSCEPT.
SI



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH m

Borehole LL 178
Probe SUS-KOND
Date 850814
Scale 1: 500

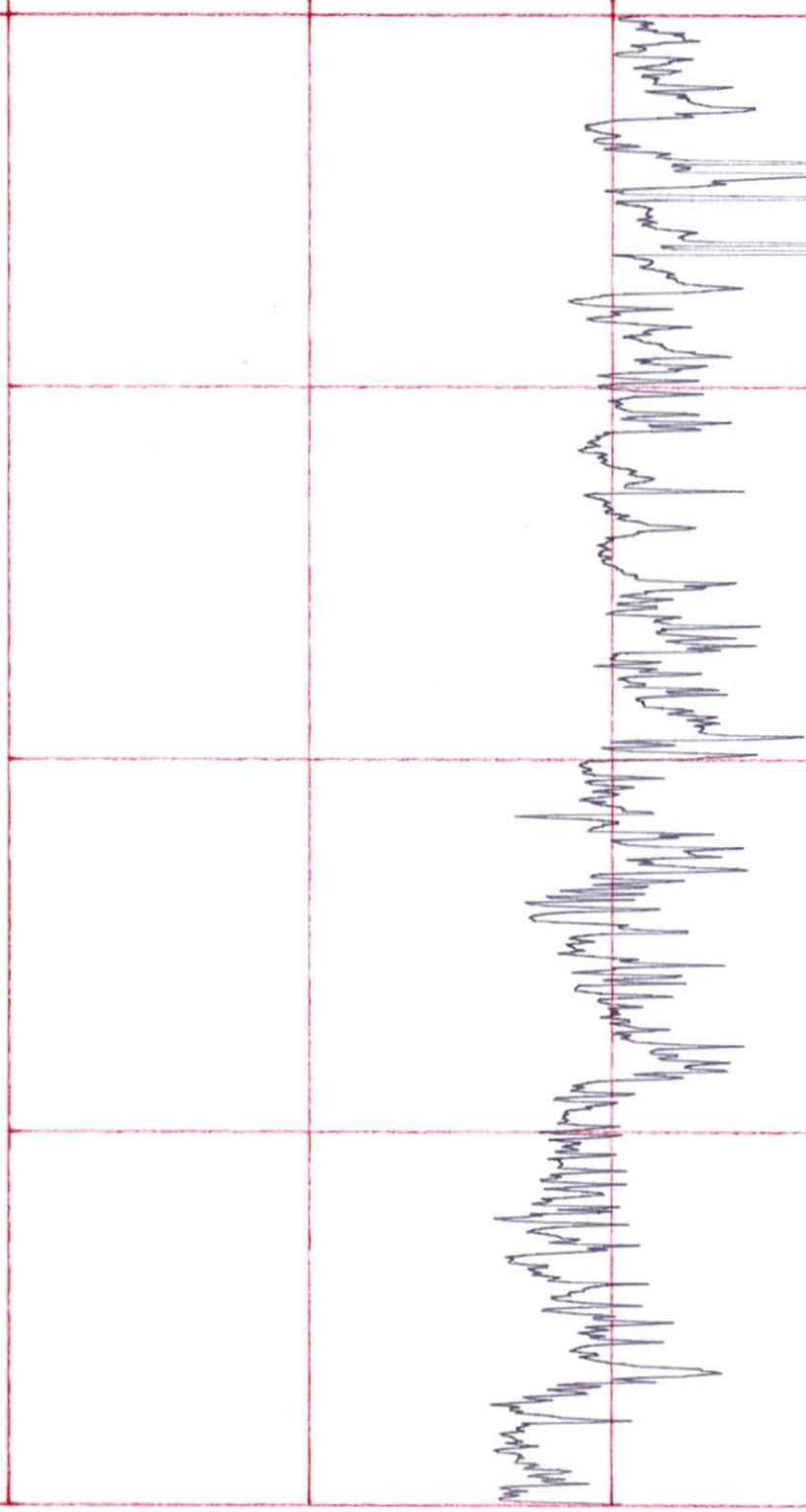
MAGN. SUSCEPT.
SI

-100 -50 0

125

150

175



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH m

Borehole LL 178
Probe SUS-KOND
Date 850814
Scale 1: 500

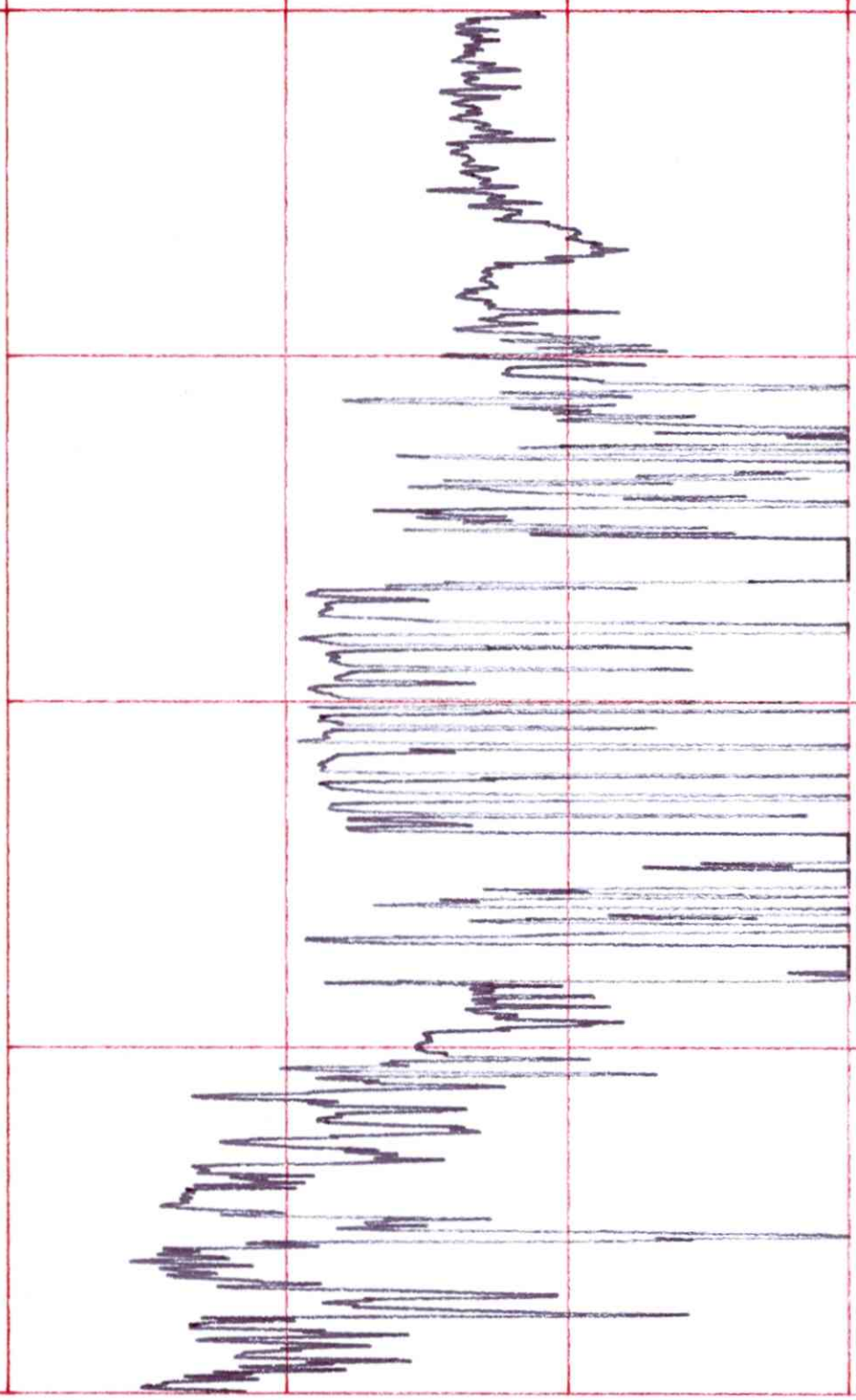
MAGN. SUSCEPT.
SI

-100 -50 0

225

250

275



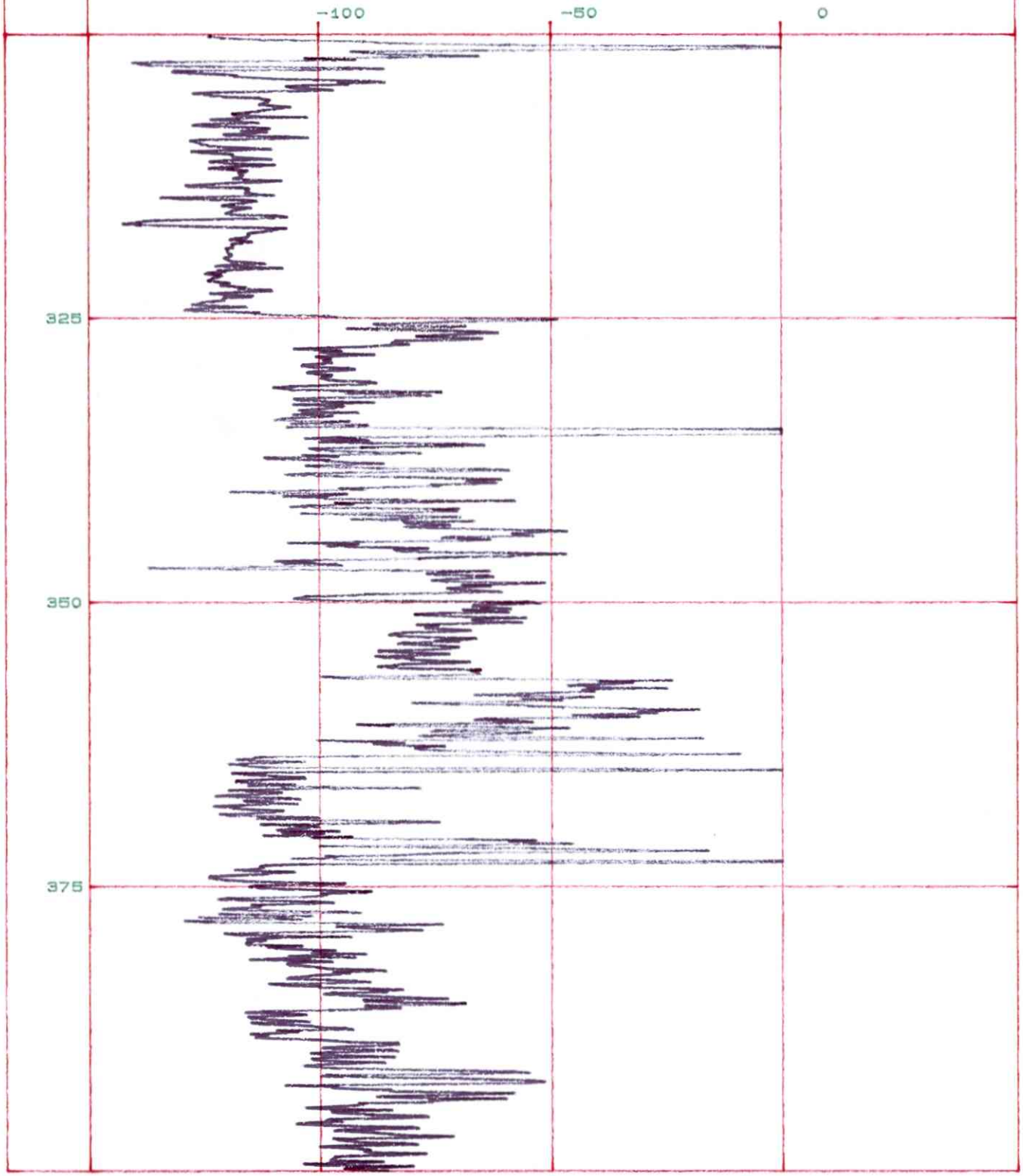
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 178
Probe SUS-KOND
Date 850814
Scale 1: 500

MAGN. SUSCEPT.
SI



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 178
Probe SUS-KOND
Date 850814
Scale 1: 500

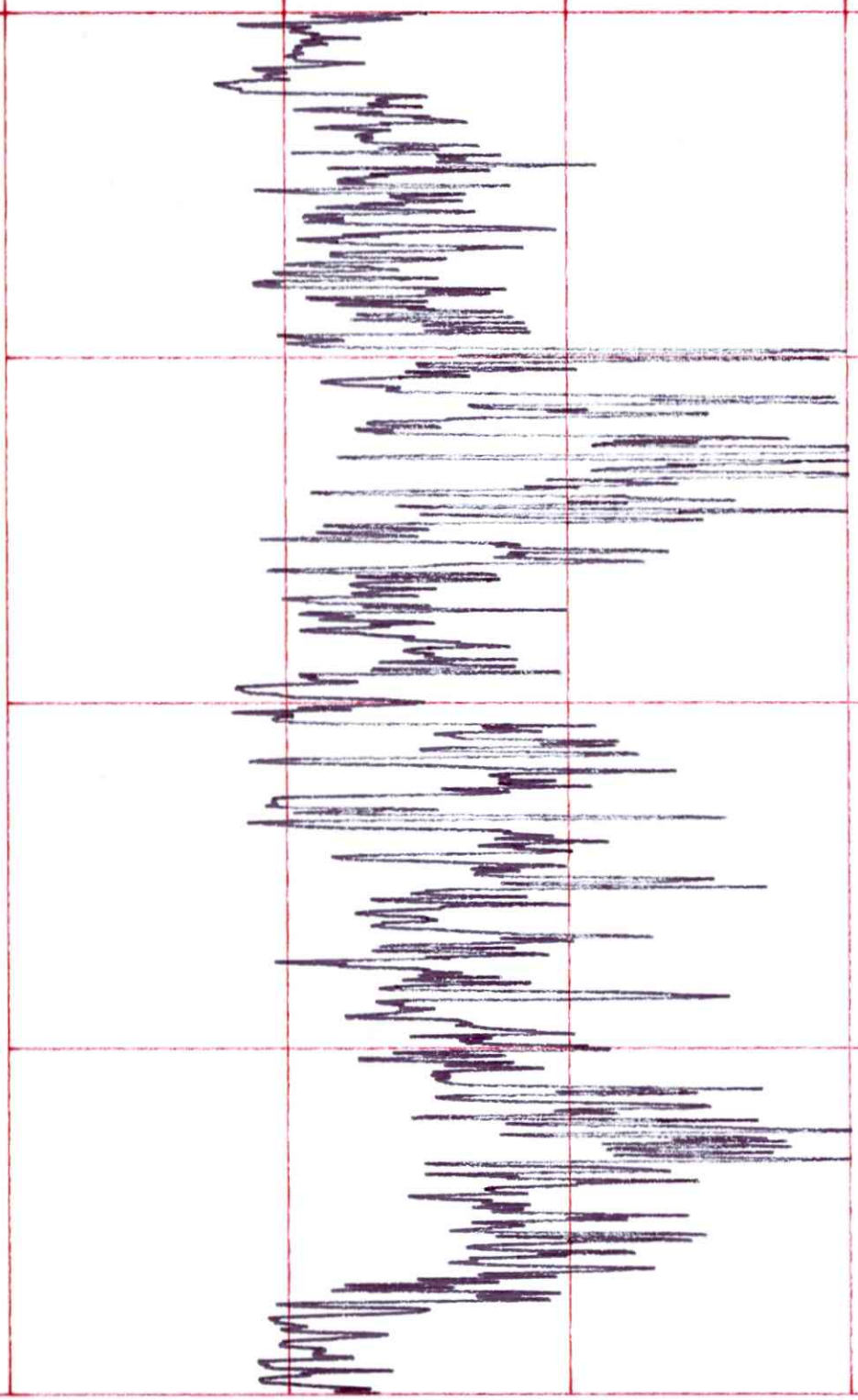
MAGN. SUSCEPT.
SI

-100 -50 0

425

450

475



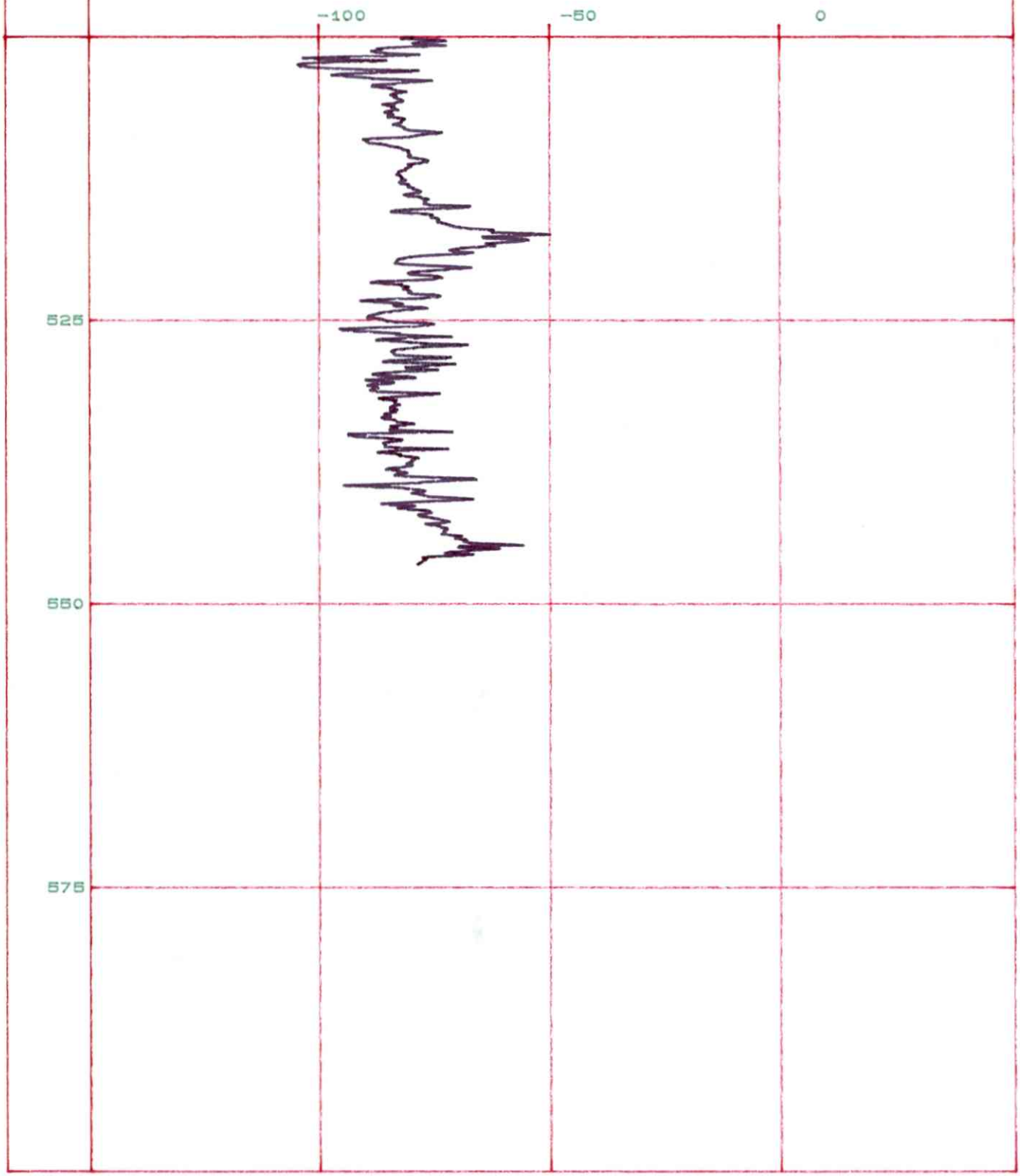
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 178
Probe SUS-KOND
Date 850814
Scale 1: 500

MAGN. SUSCEPT.
SI



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH m

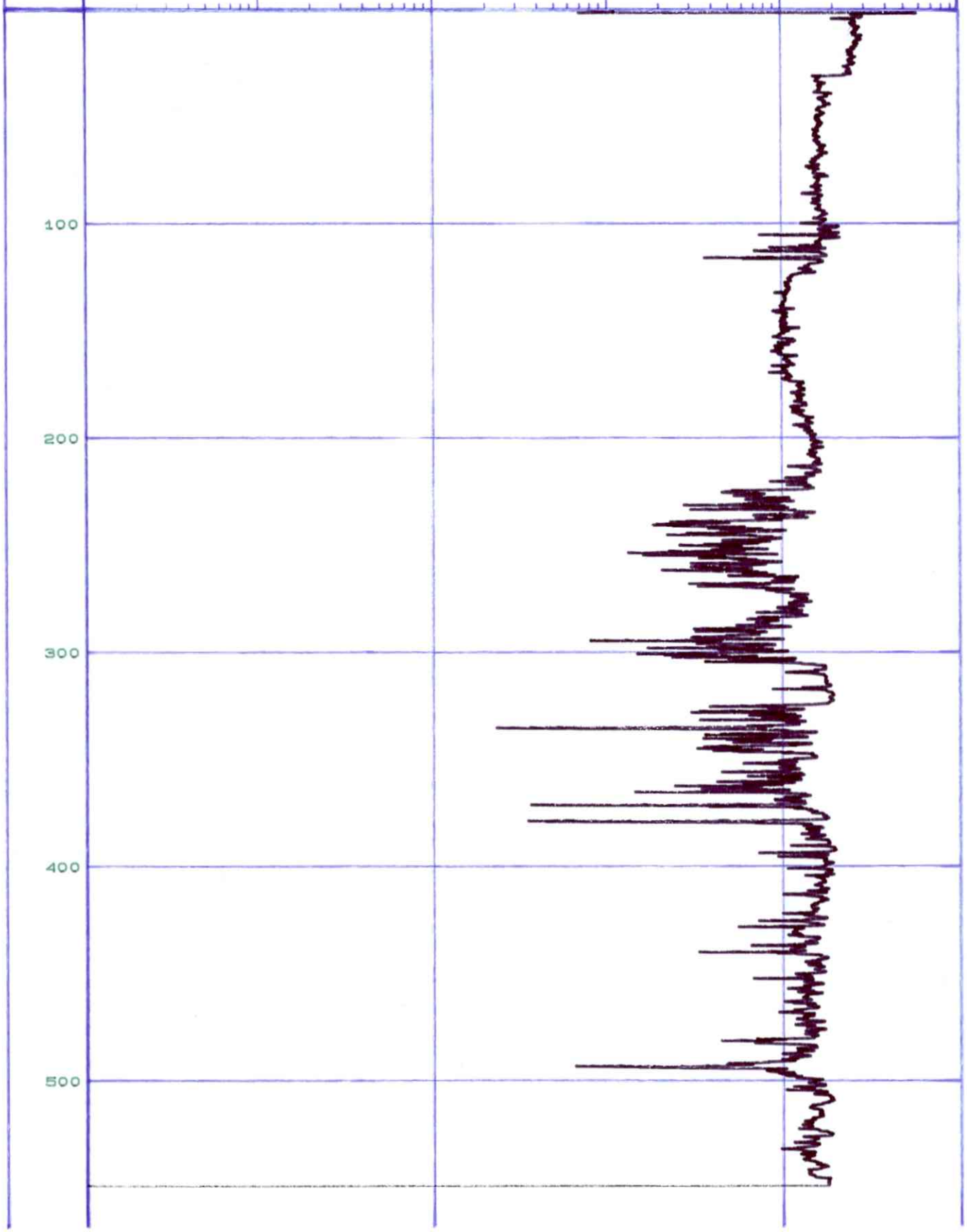
Borehole LL 178
Probe SPR5cm
Date 850813
Scale 1:2500

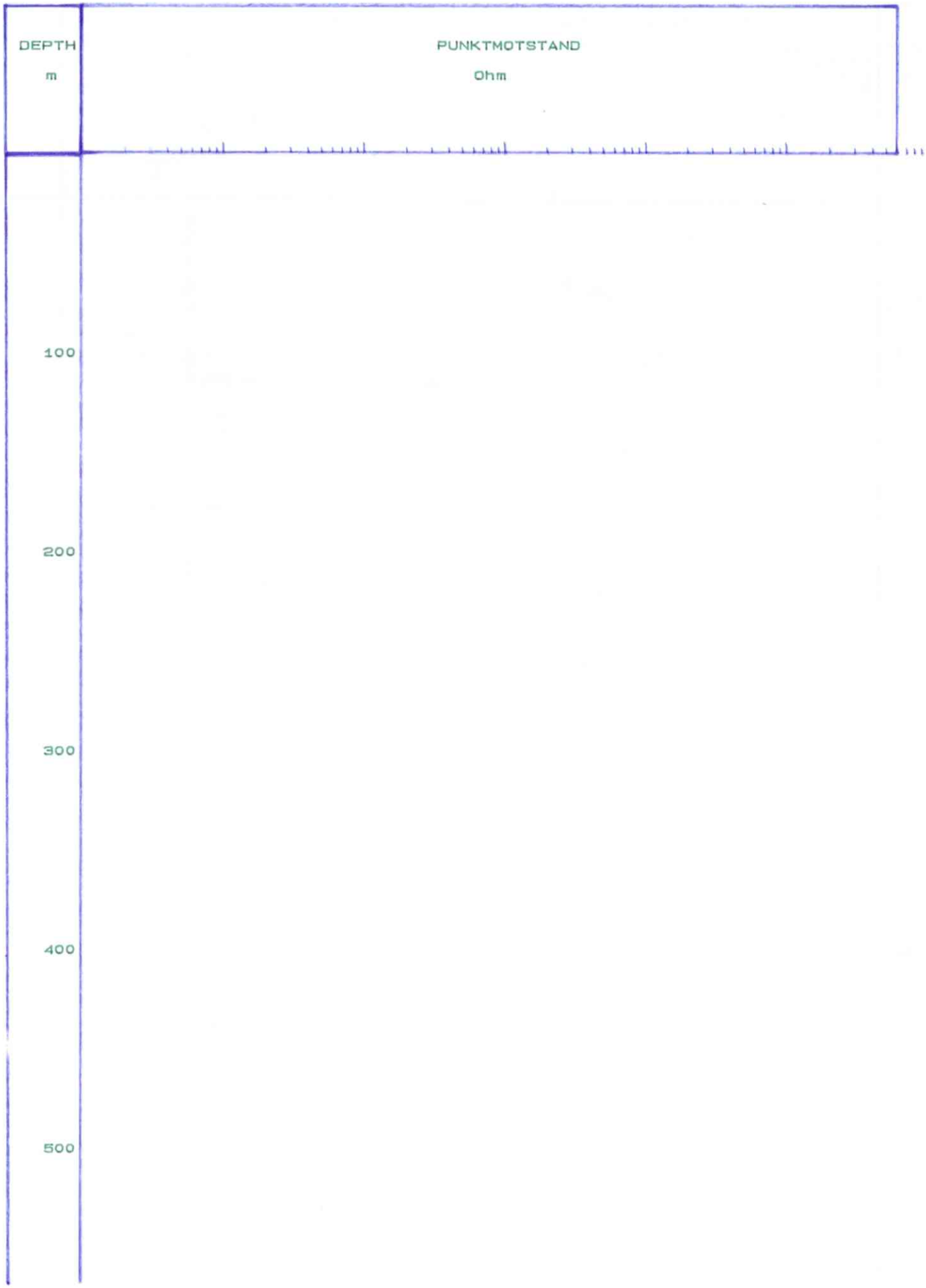
PUNKTMOTSTAND

Ohm

10^1 10^3

100
200
300
400
500



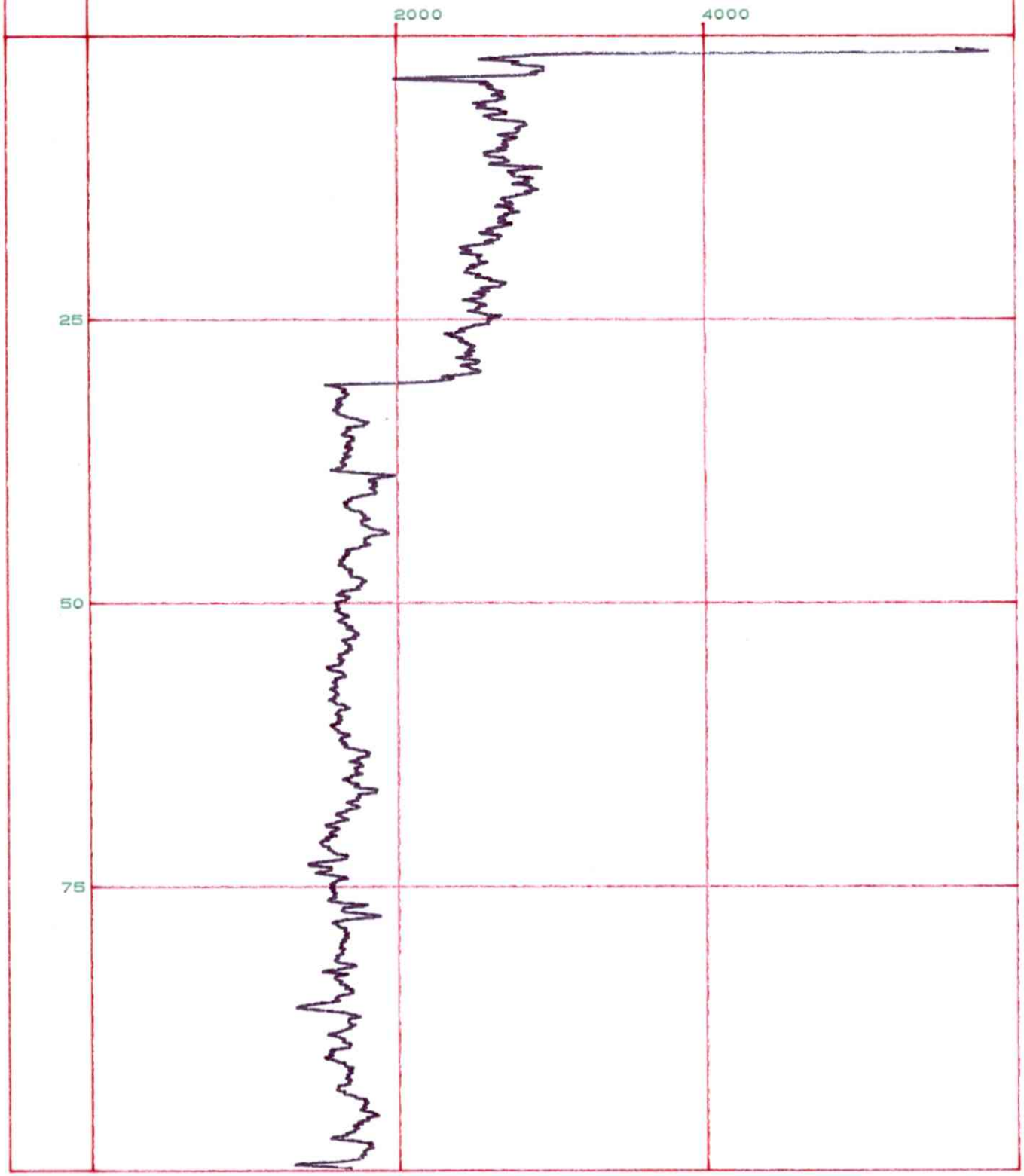

DEPTH
m
PUNKTMOTSTAND
Ohm
100
200
300
400
500

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 178
Probe SPR5cm
Date 850813
Scale 1: 500

PUNKTMOTSTAND
Ohm



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

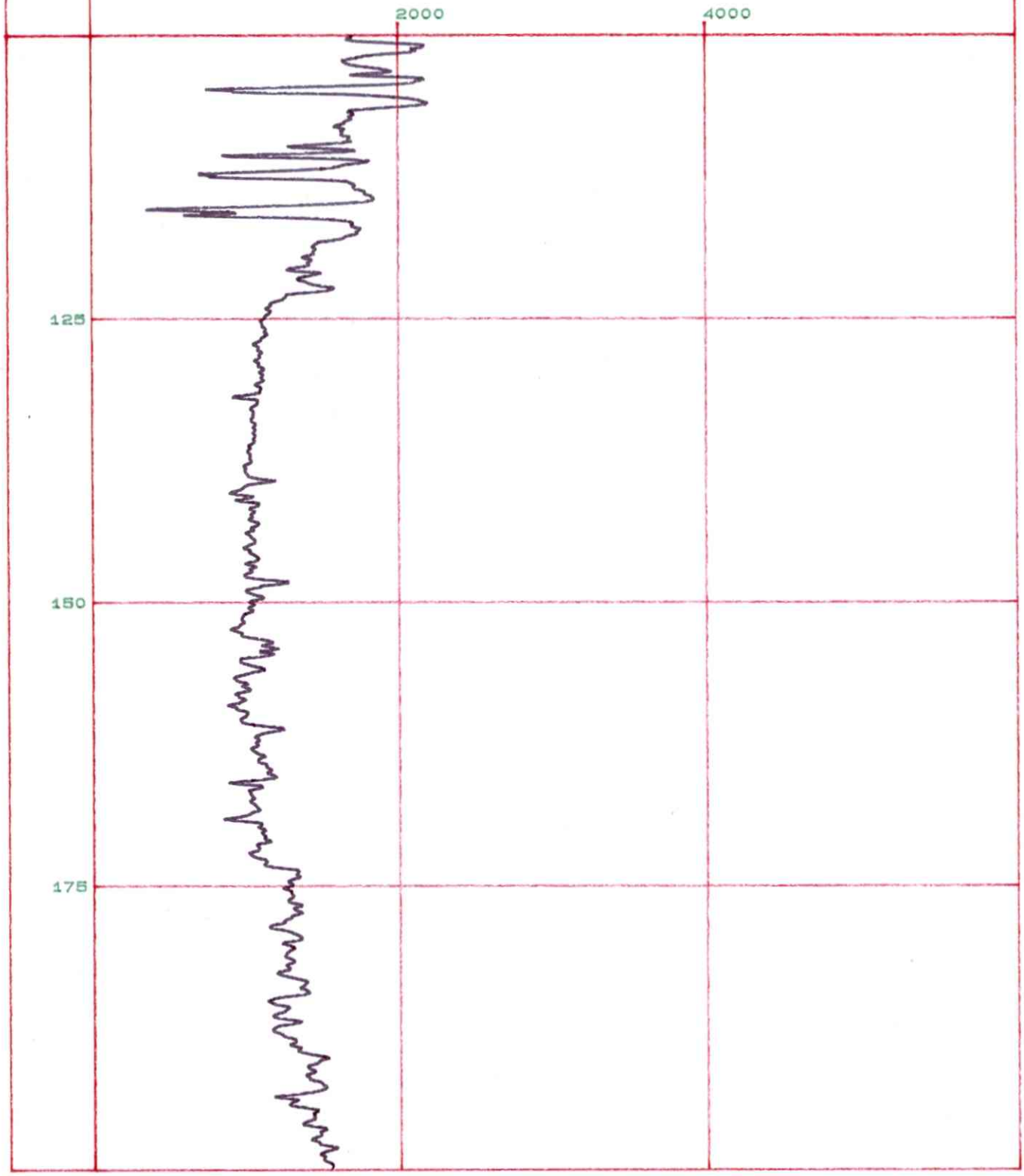
SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 178
Probe SPR5cm
Date 850813
Scale 1: 500

PUNKTMOTSTAND

Ohm



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

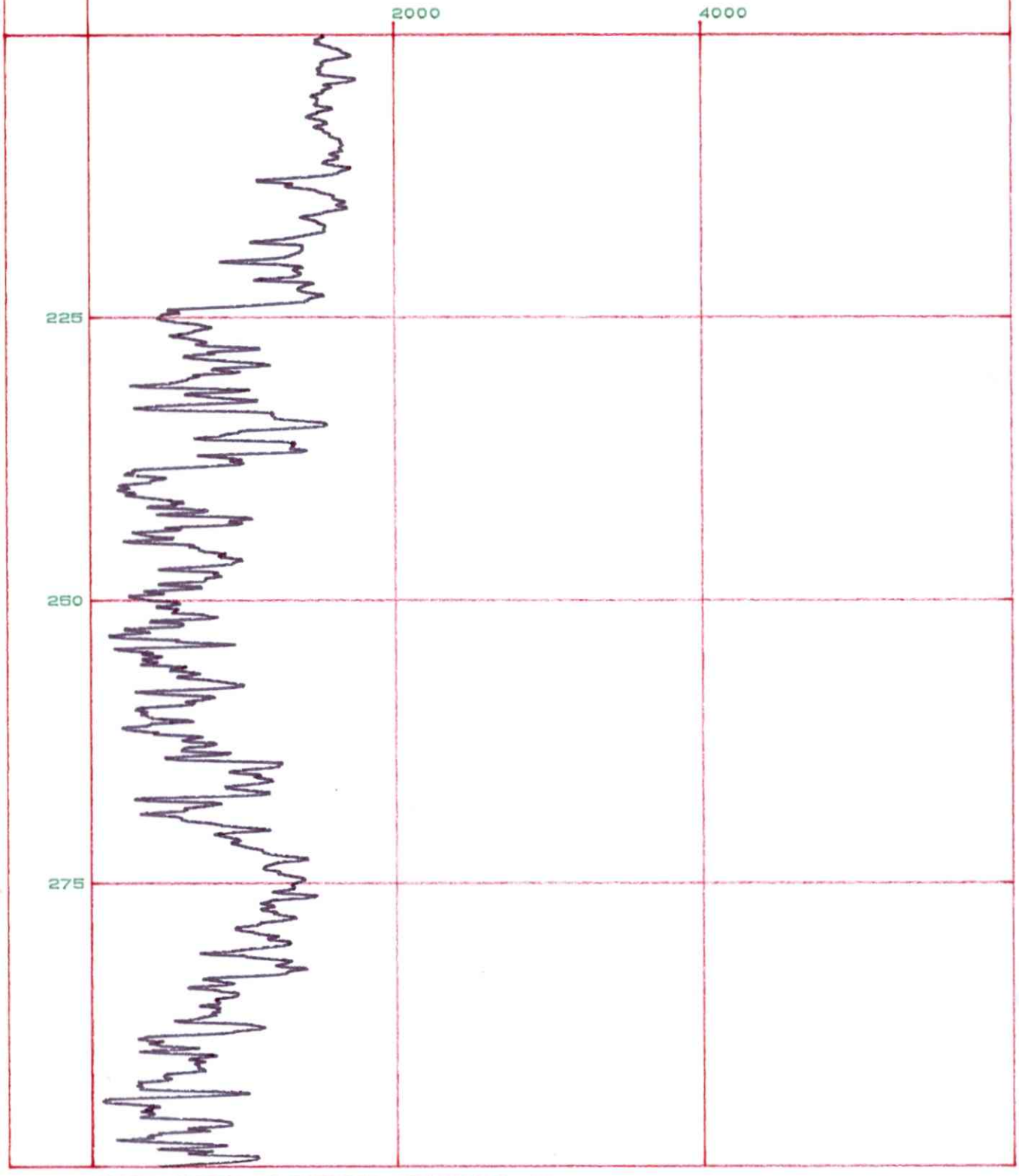
SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 178
Probe SPR5cm
Date 850813
Scale 1: 500

PUNKTMOTSTAND

Ohm



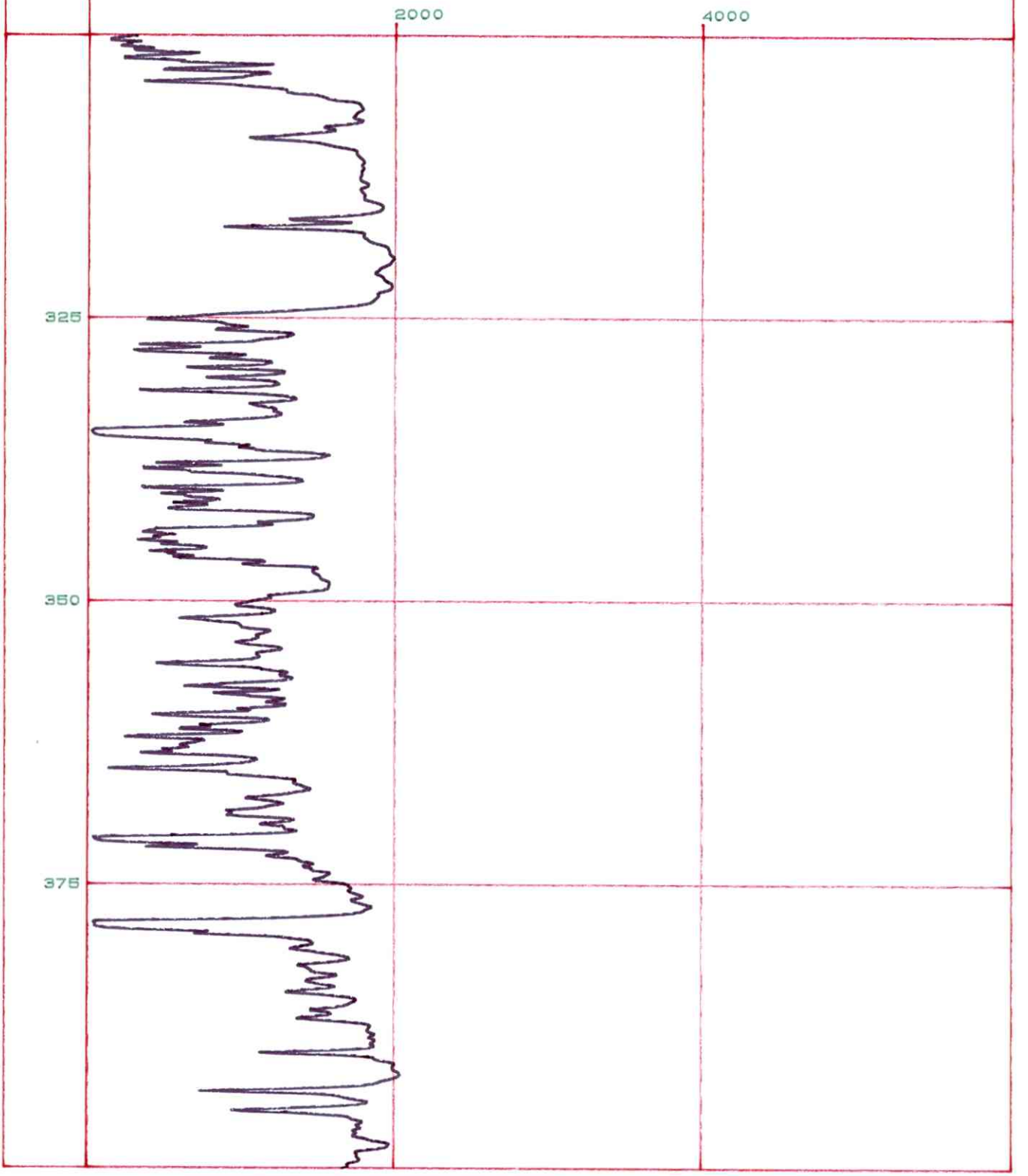
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 178
Probe SPR5cm
Date 850813
Scale 1: 500

PUNKTMOTSTAND
Ohm



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

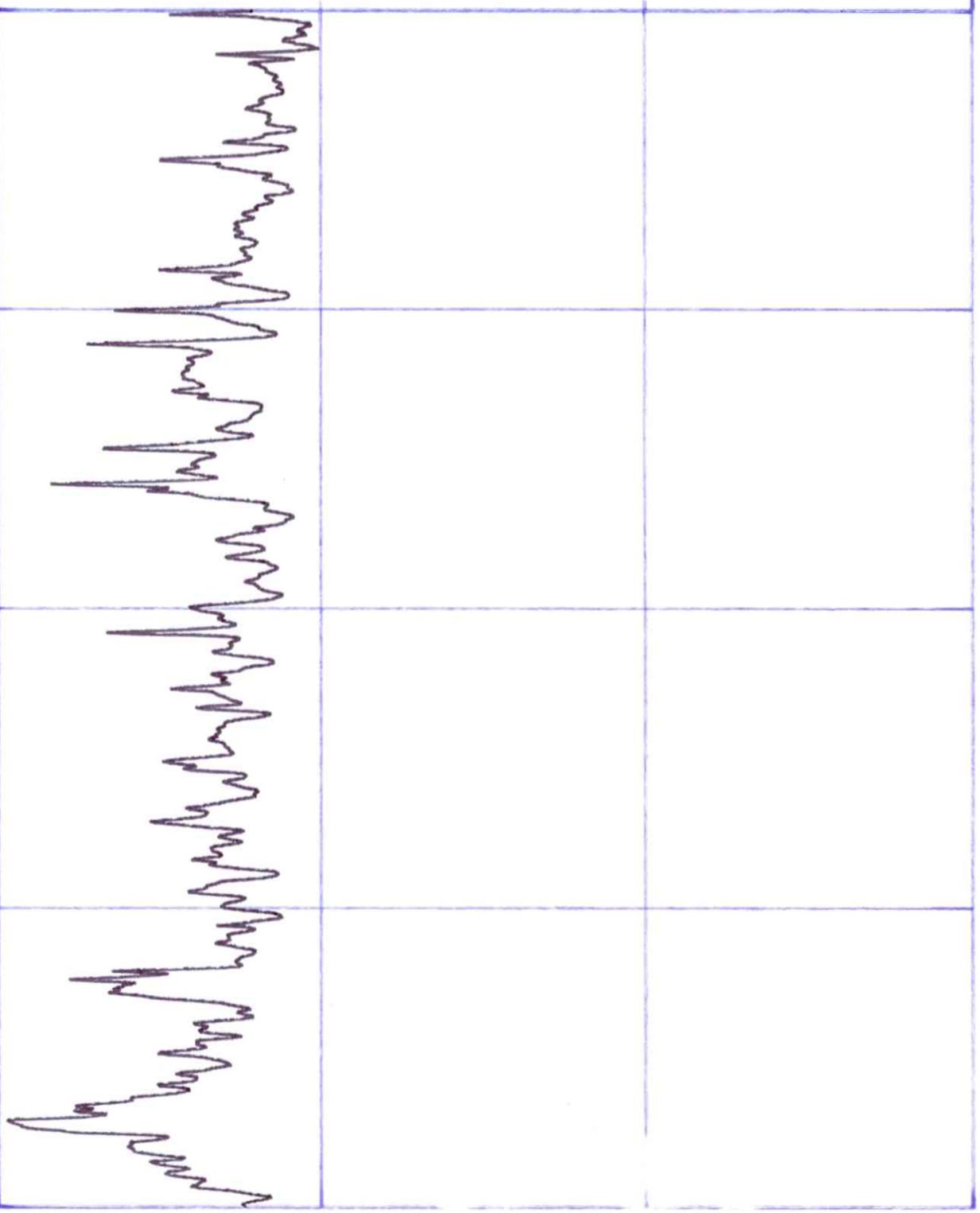
DEPTH
m

Borehole LL 178
Probe SPR5cm
Date 850813
Scale 1: 500

PUNKTMOTSTAND
Ohm

2000
4000

425
450
475



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

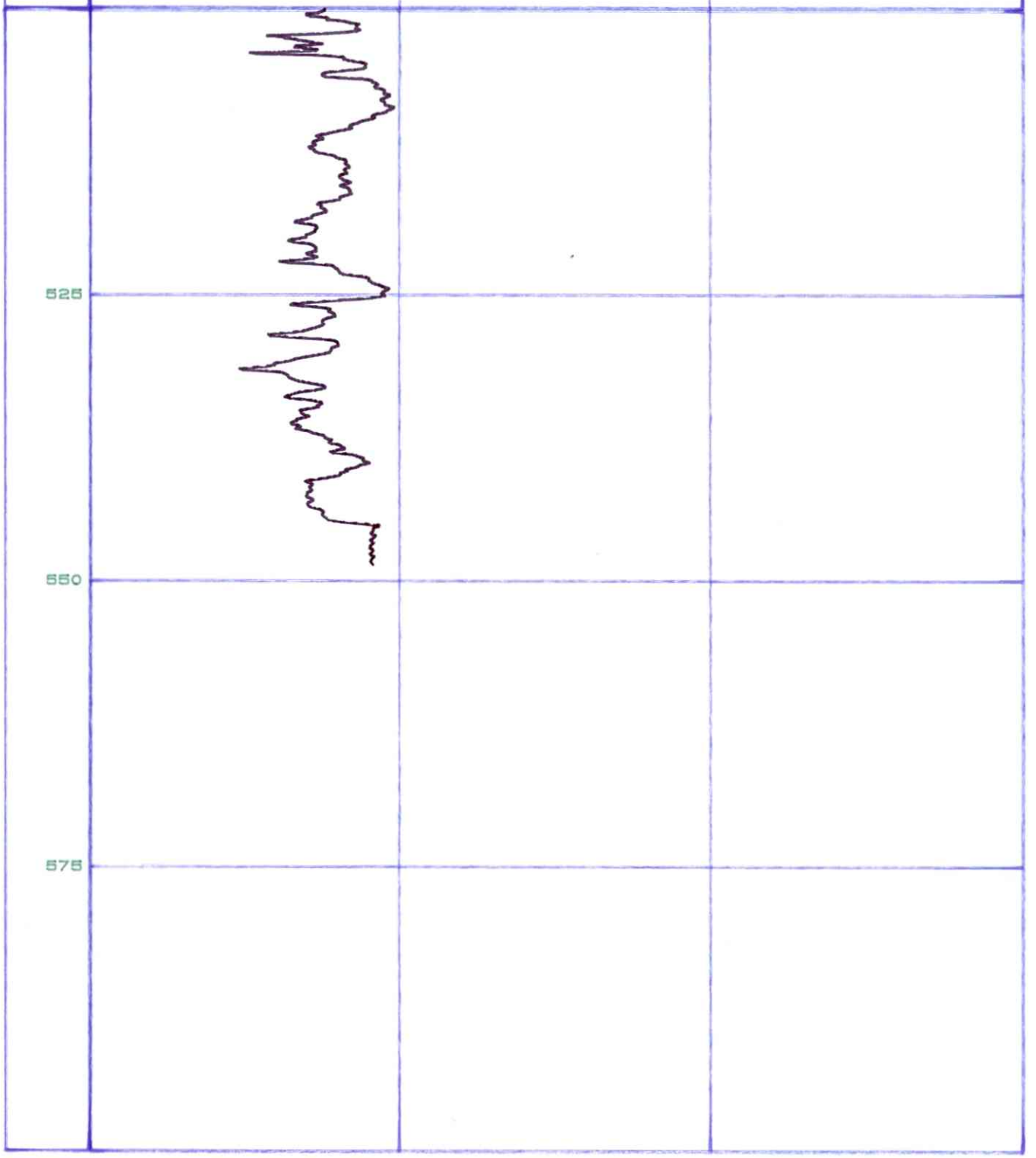
Borehole LL 178
Probe SPR5cm
Date 850813
Scale 1: 500

PUNKTMOTSTAND

Ohm

2000

4000



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

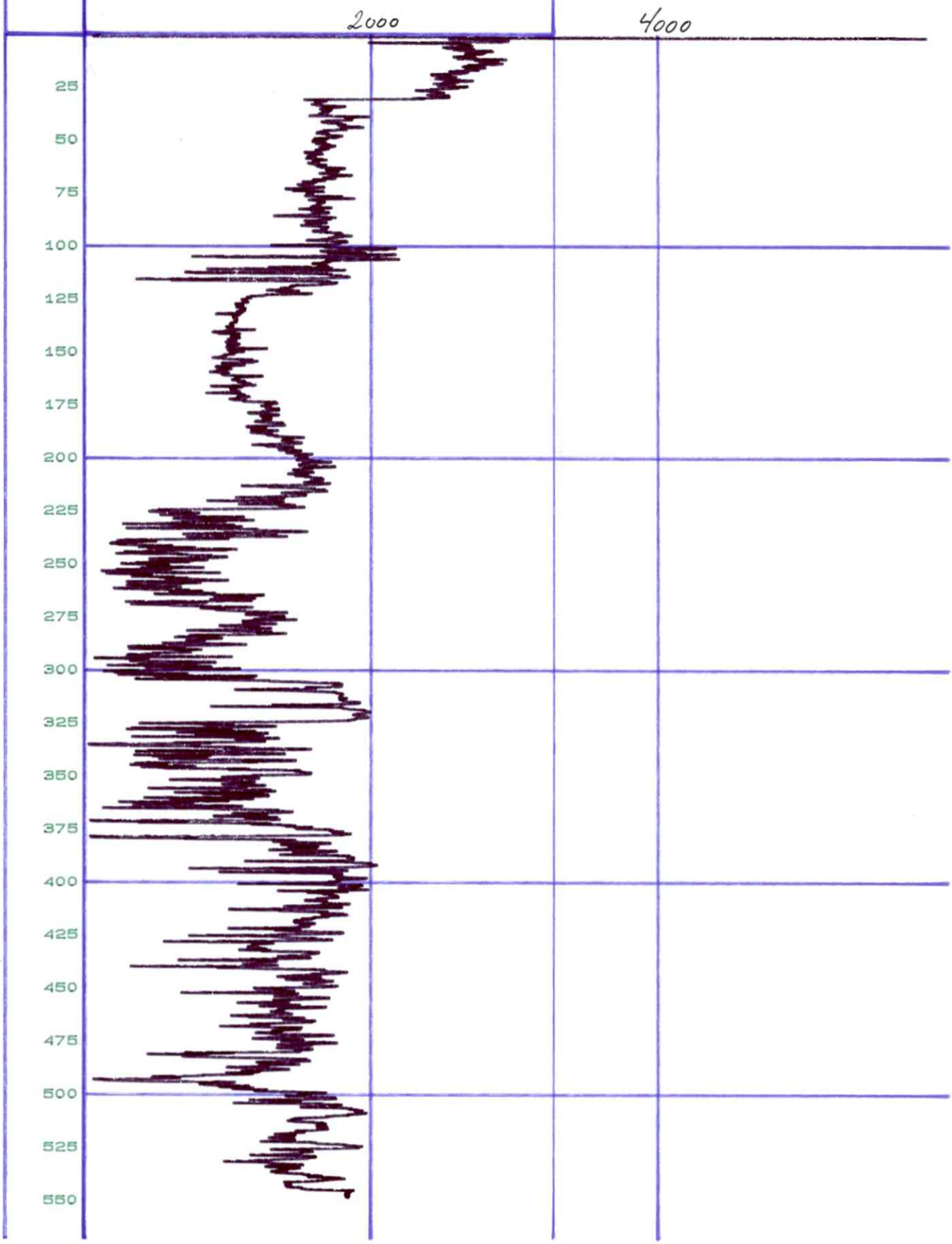
SULITJELMA BERGVERK A/S

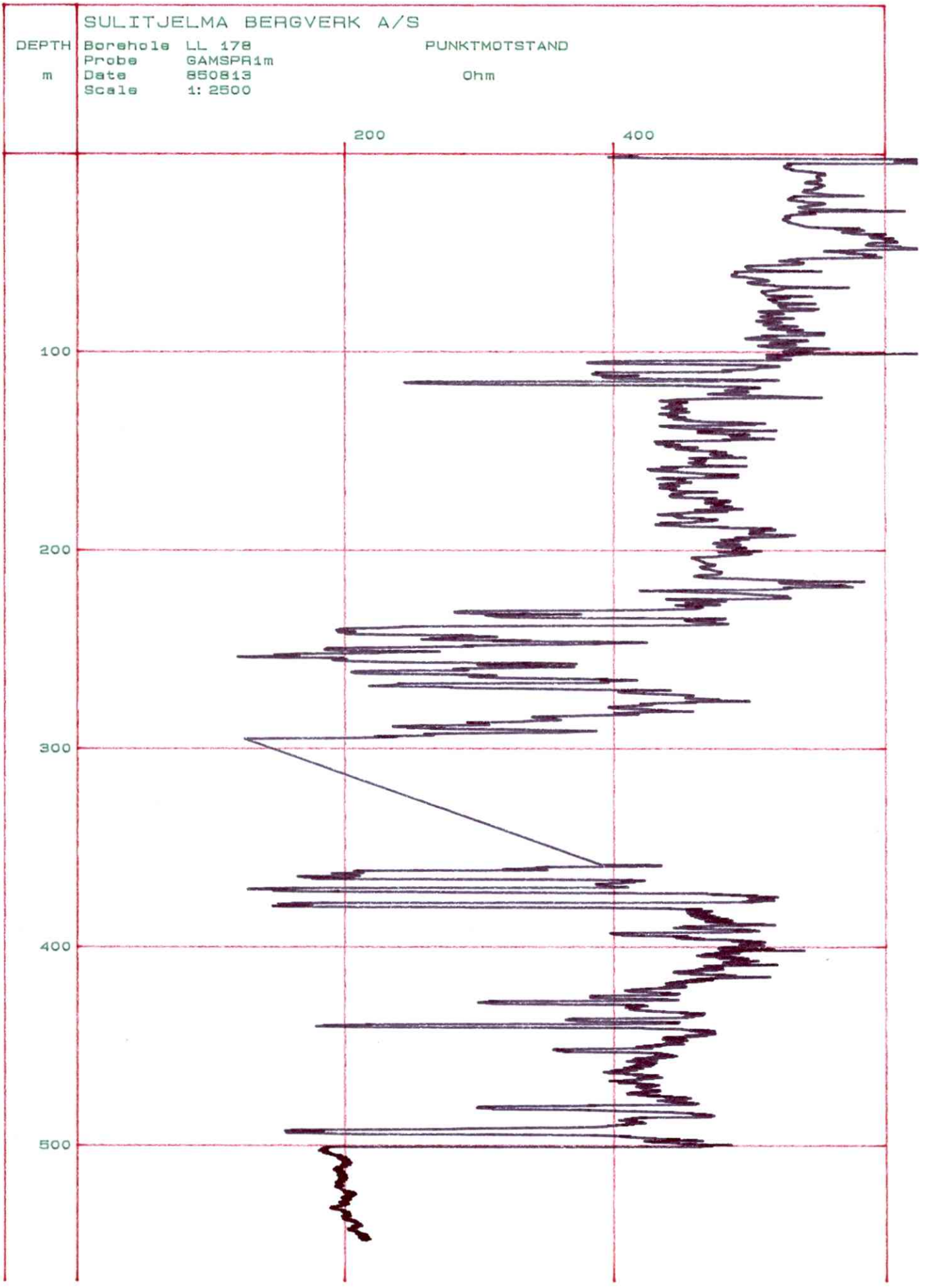
DEPTH m

Borehole LL 178
Probe SPR5cm
Date 850813
Scale 1: 2500

PUNKTMOTSTAND

Ohm




SULITJELMA BERGVERK A/S
DEPTH
m
Borehole LL 178
Probe GAMSPR1m
Date 850813
Scale 1: 2500
PUNKTMOTSTAND
Ohm
200
400
100
200
300
400
500

SULITJELMA BERGVERK A/S

DEPTH m

Borehole LL 178
Probe GAMSPR1m
Date 850813
Scale 1: 500

PUNKTMOTSTAND

Ohm

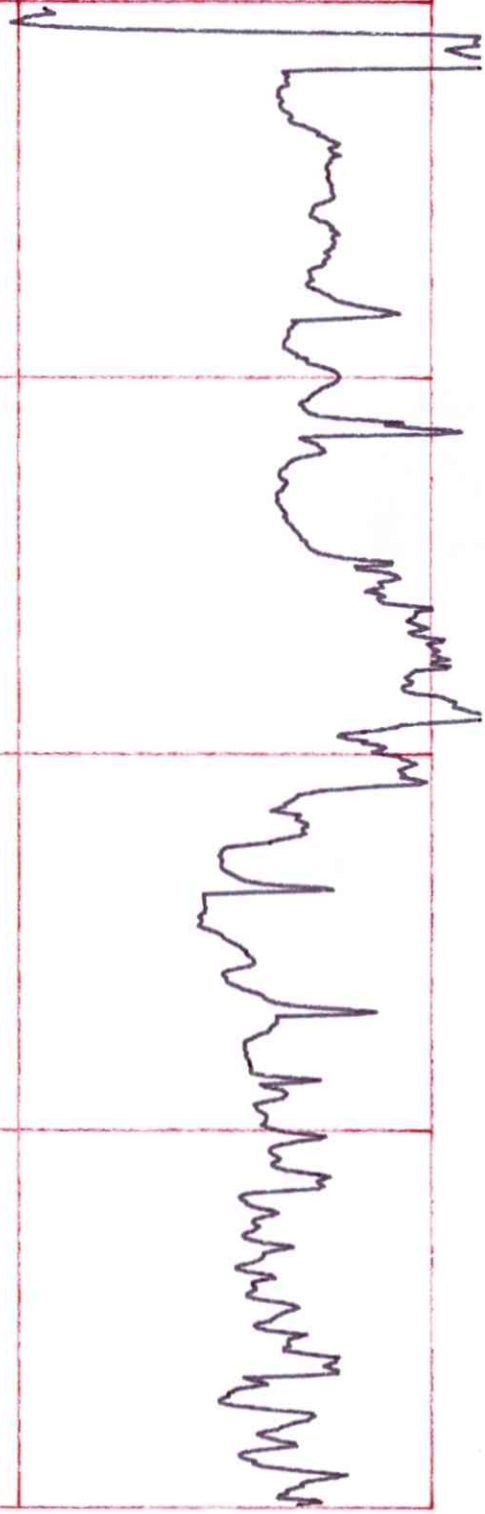
200

400

25

50

75



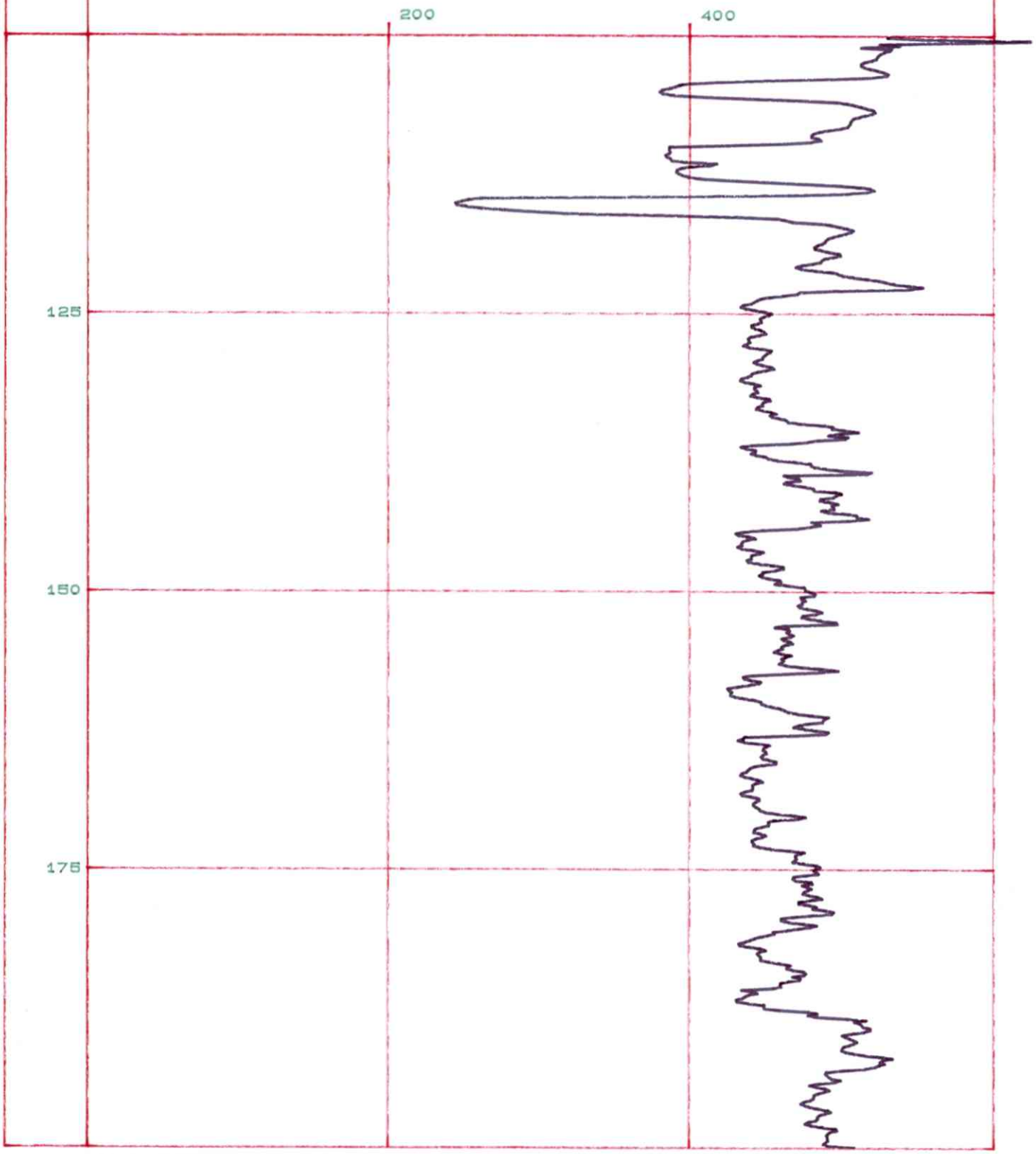
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 178
Probe GAMSPR1m
Date 850813
Scale 1: 500

PUNKTMOTSTAND
Ohm



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

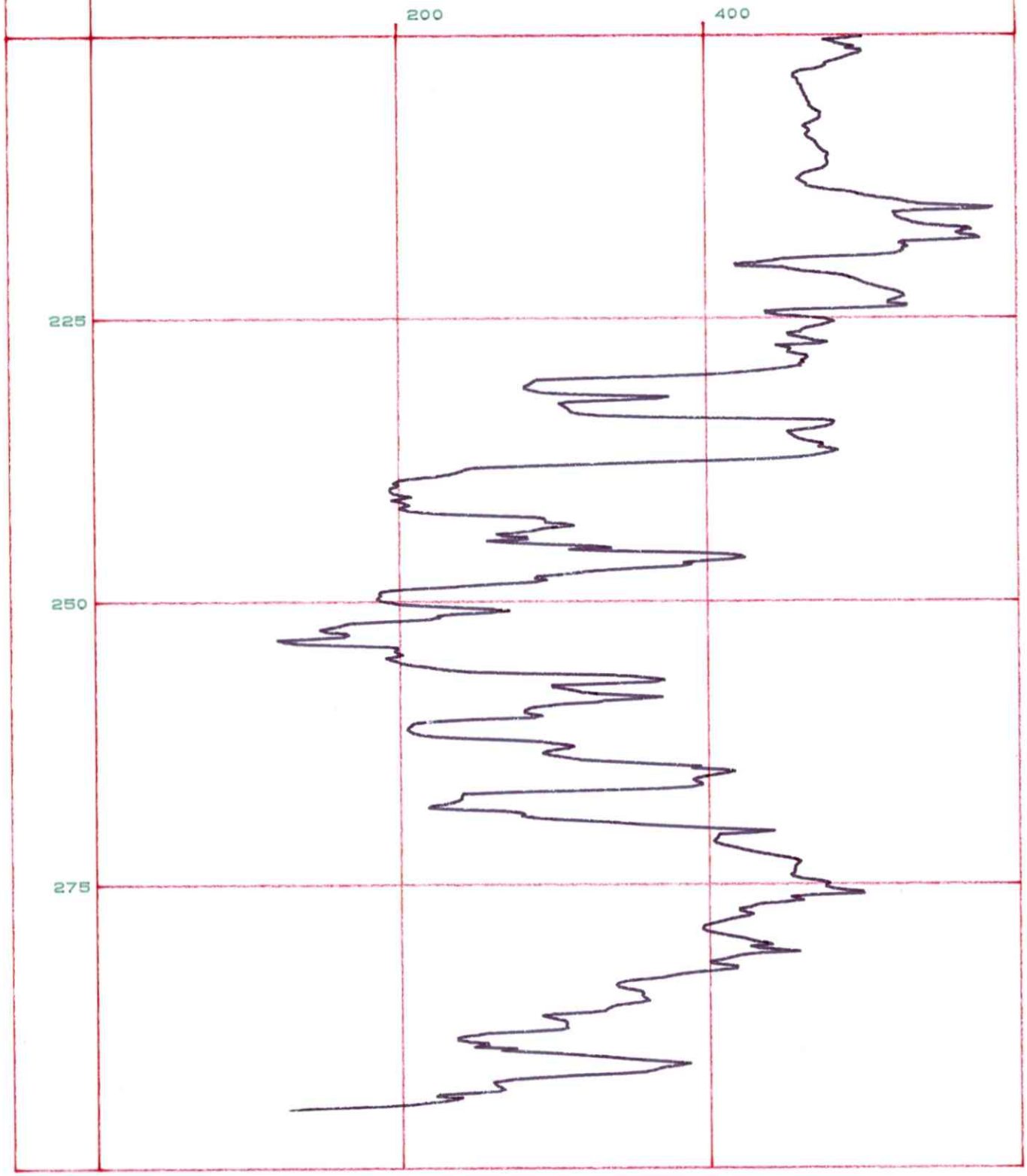
SULITJELMA BERGVERK A/S

DEPTH m

Borehole LL 178
Probe GAMSPR1m
Date 850813
Scale 1: 500

PUNKTMOTSTAND

Ohm



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

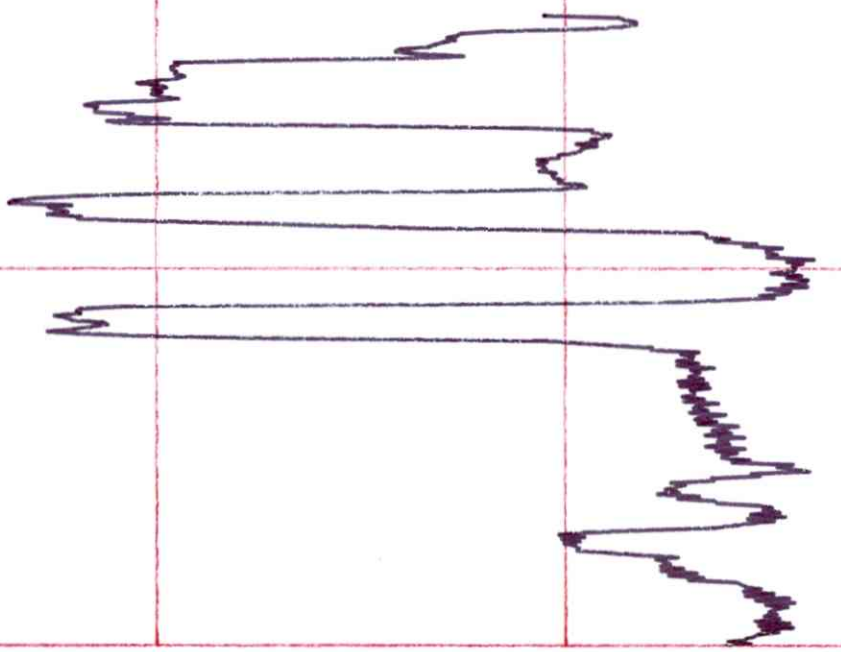
DEPTH
m

Borehole LL 178
Probe GAMSPR1m
Date 850813
Scale 1: 500

PUNKTMOTSTAND
Ohm

200
400

325
350
375



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

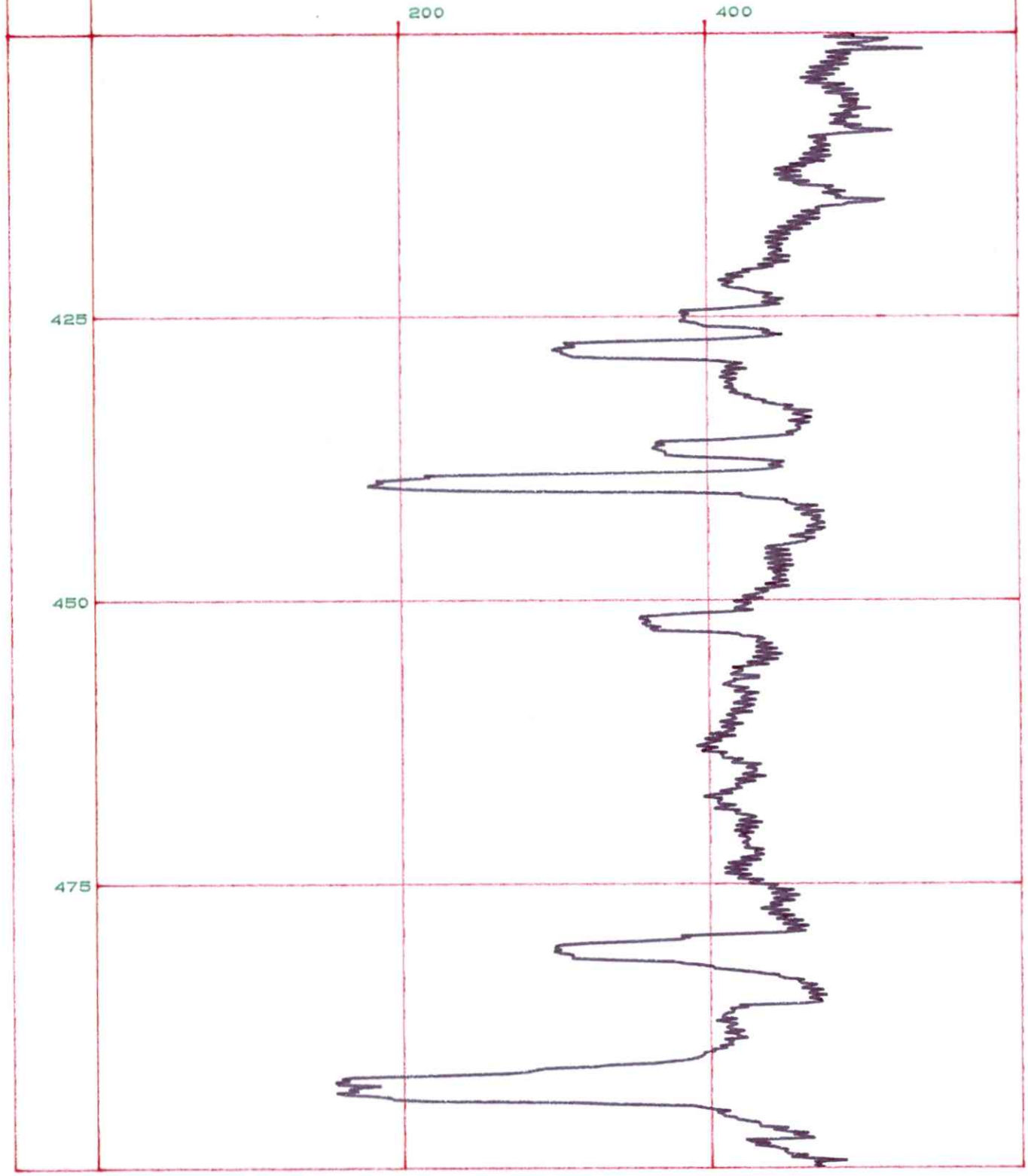
SULITJELMA BERGVERK A/S

DEPTH m

Borehole LL 178
Probe GAMSPR1m
Date 850813
Scale 1: 500

PUNKTMOTSTAND

Ohm



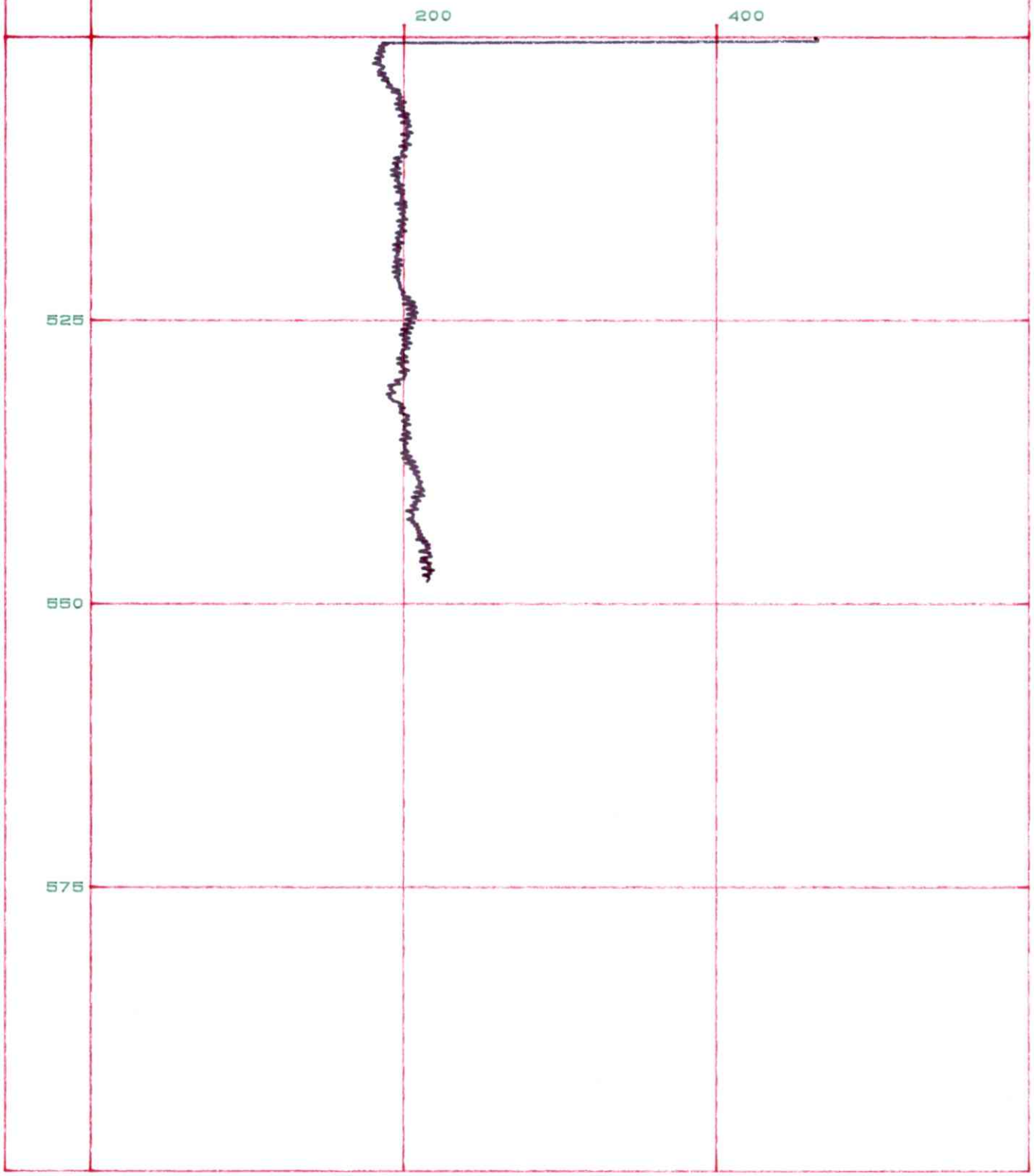
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 178
Probe GAMSPR1m
Date 850813
Scale 1: 500

PUNKTMOTSTAND
Ohm



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

15/01/86

Pga. el el. annet gikk det ikkje an å plotte dei største målestokkane øverst i holet, 1:1500 kun opp til 200 m, 1:500 kun opp til 500 m.....

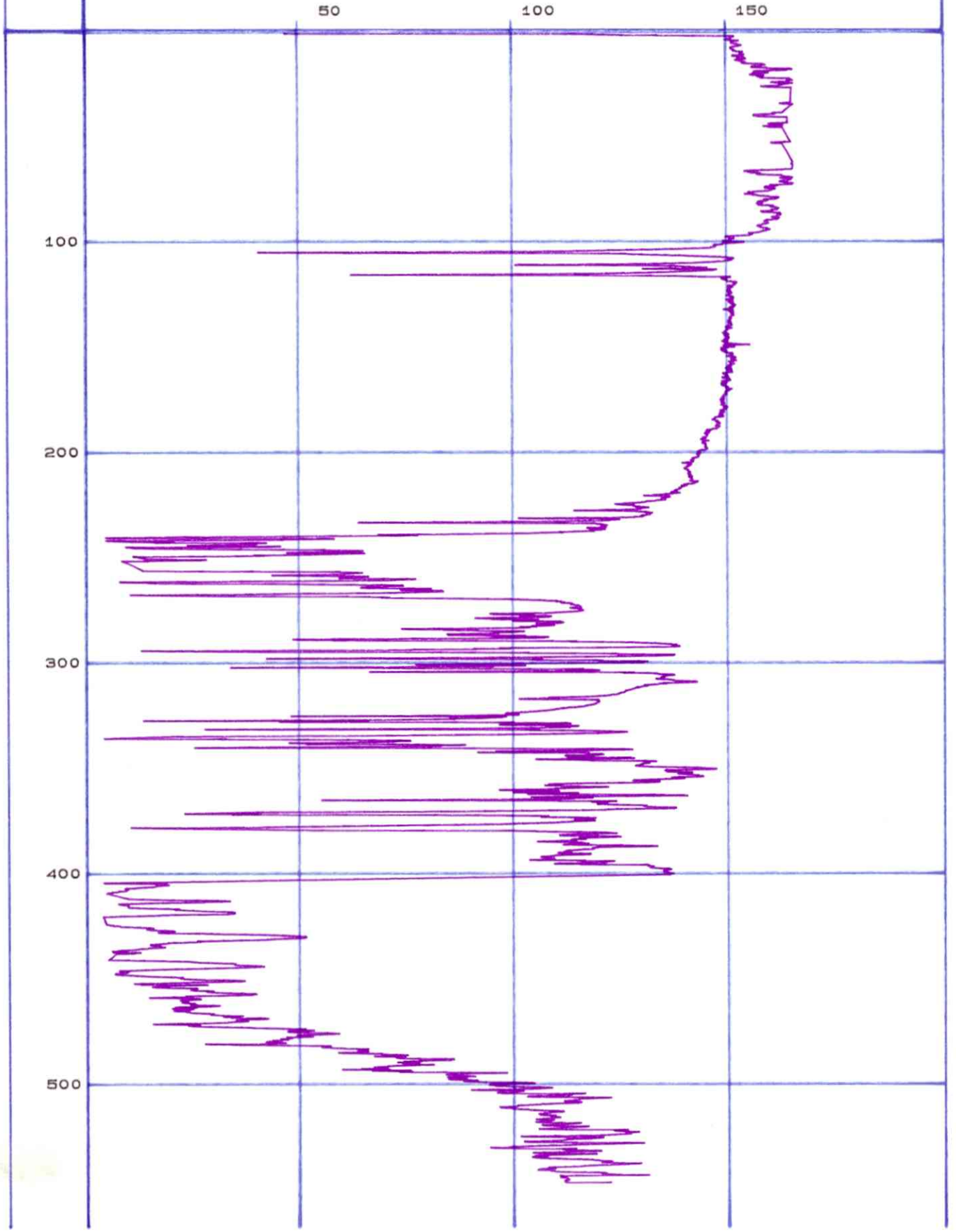
Rune S.

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 178
Probe SP-ION
Date 850813
Scale 1: 2500

SELVPOTENSIAL

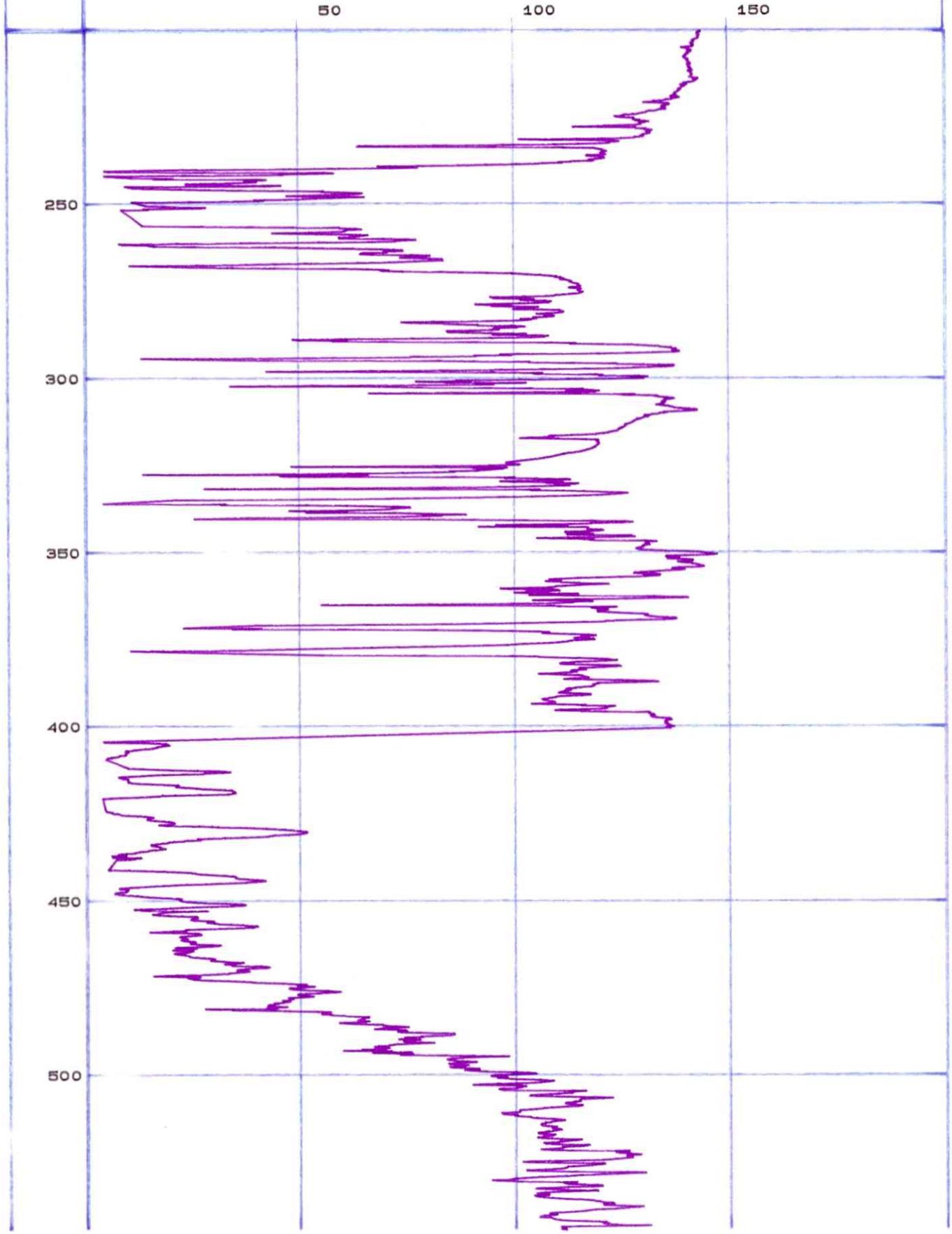


SULITJELMA BERGVERK A/S

DEPTH m

Borehole LL 178
Probe SP-ION
Date 850813
Scale 1: 1500

SELVPOTENSIAL



SULITJELMA BERGVERK A/S

DEPTH m

Borehole LL 178
Probe SP-ION
Date 850813
Scale 1: 1500

SELVPOTENSIAL

50 100 150

50
100
150
200
250
300

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 178
Probe SP-ION
Date 850813
Scale 1: 500

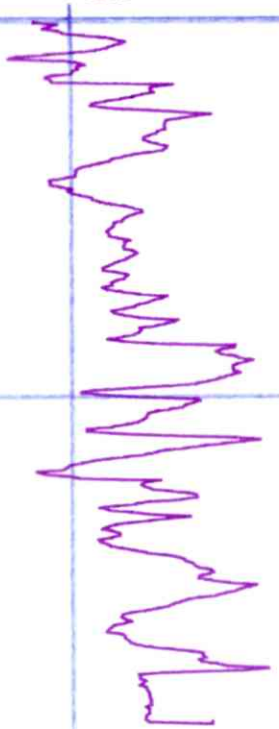
SELVPOTENSIAL

50 100 150

525

550

575



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

Målinger fra ca.
100 m og oppover
manglar pga. straum-
brot under måling
i felt!

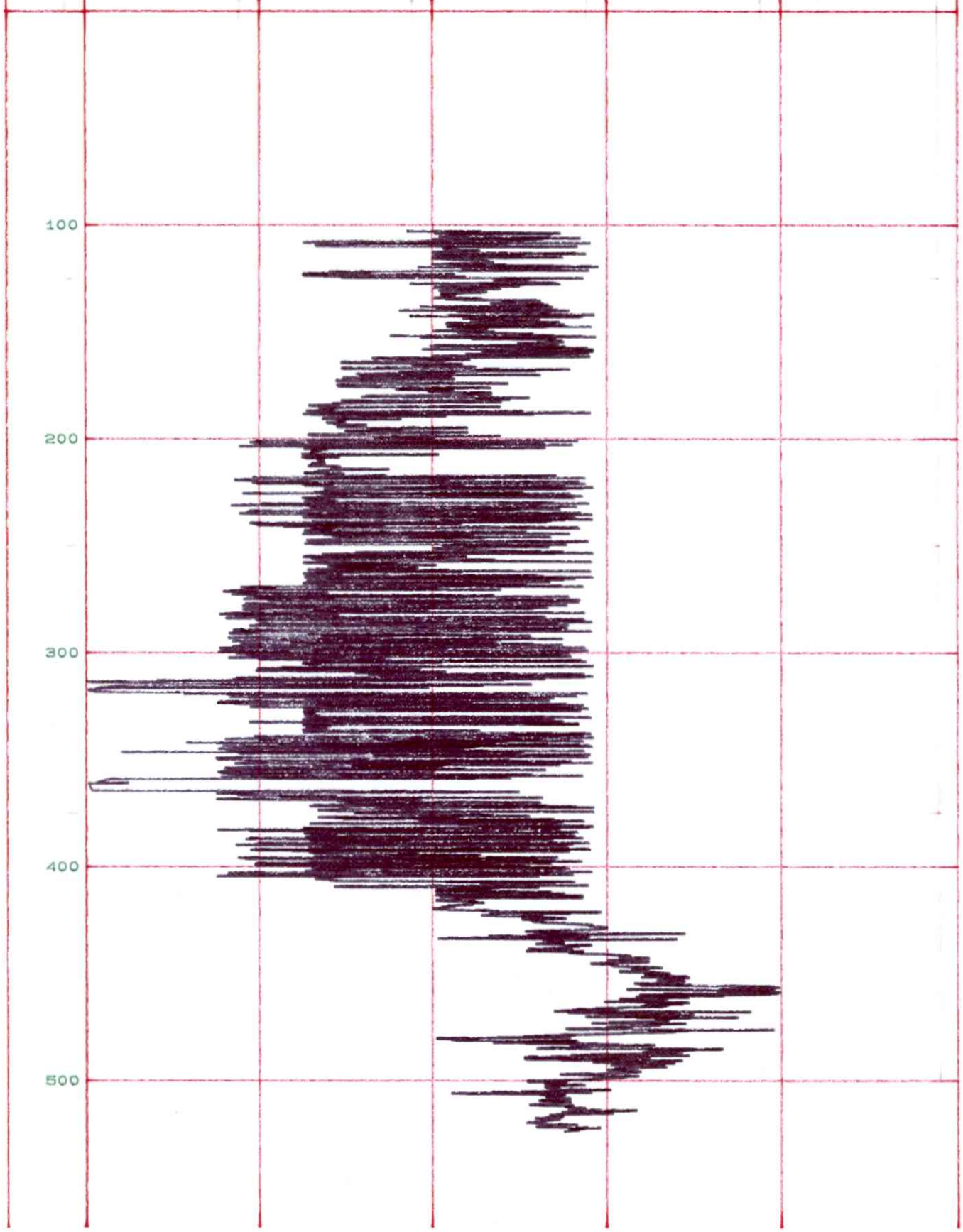
SULITJELMA BERGVERK A/S

DEPTH m

Borehole LL 185
Probe SP-ION
Date 850806
Scale 1: 2500

SELVPOTENSIAL

mV



2

B-8

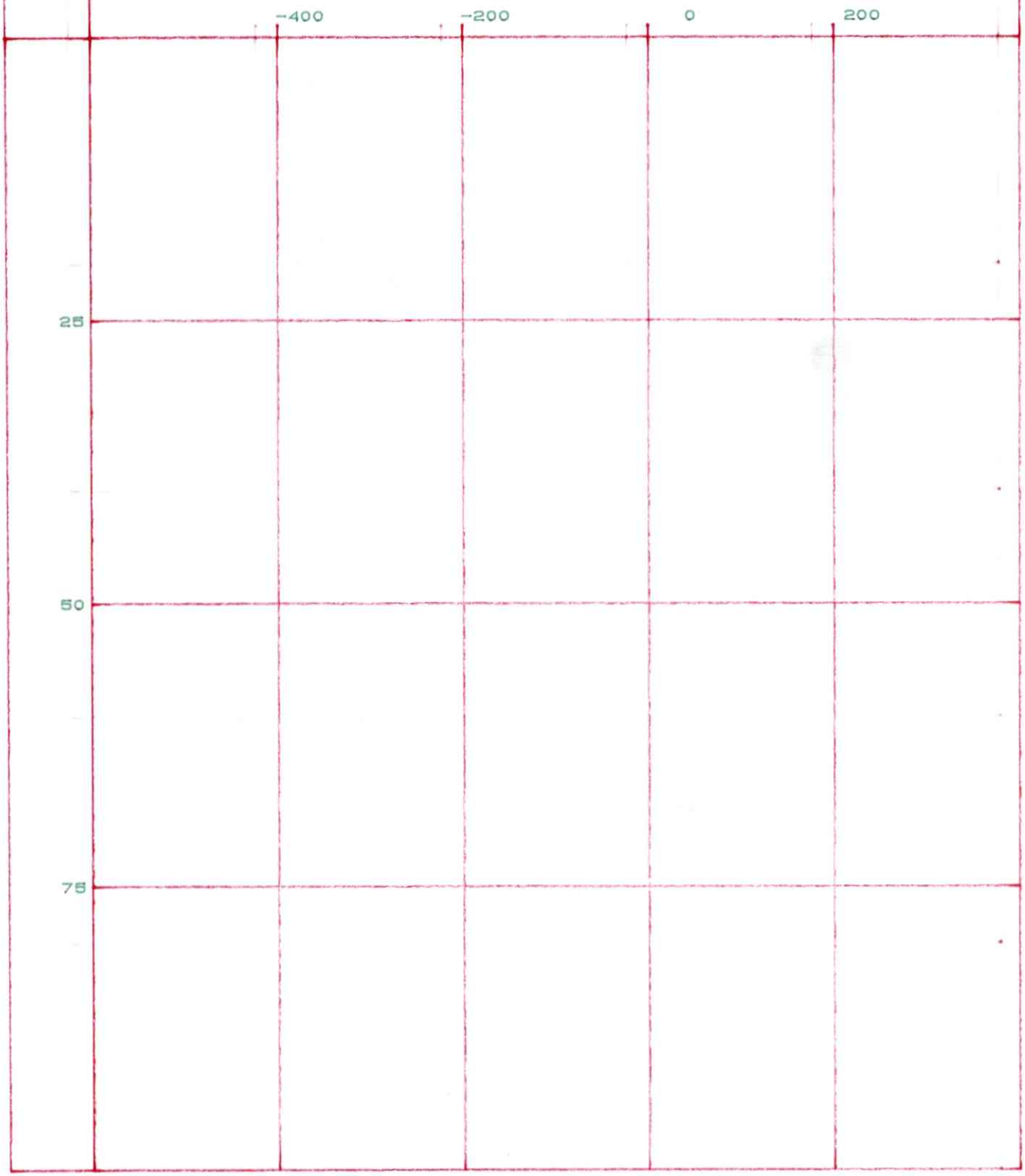
SULITJELMA BERGVERK A/S

DEPTH m

Borehole LL 185
Probe SP-ION
Date 850806
Scale 1: 500

SELVPOTENSIAL

mV



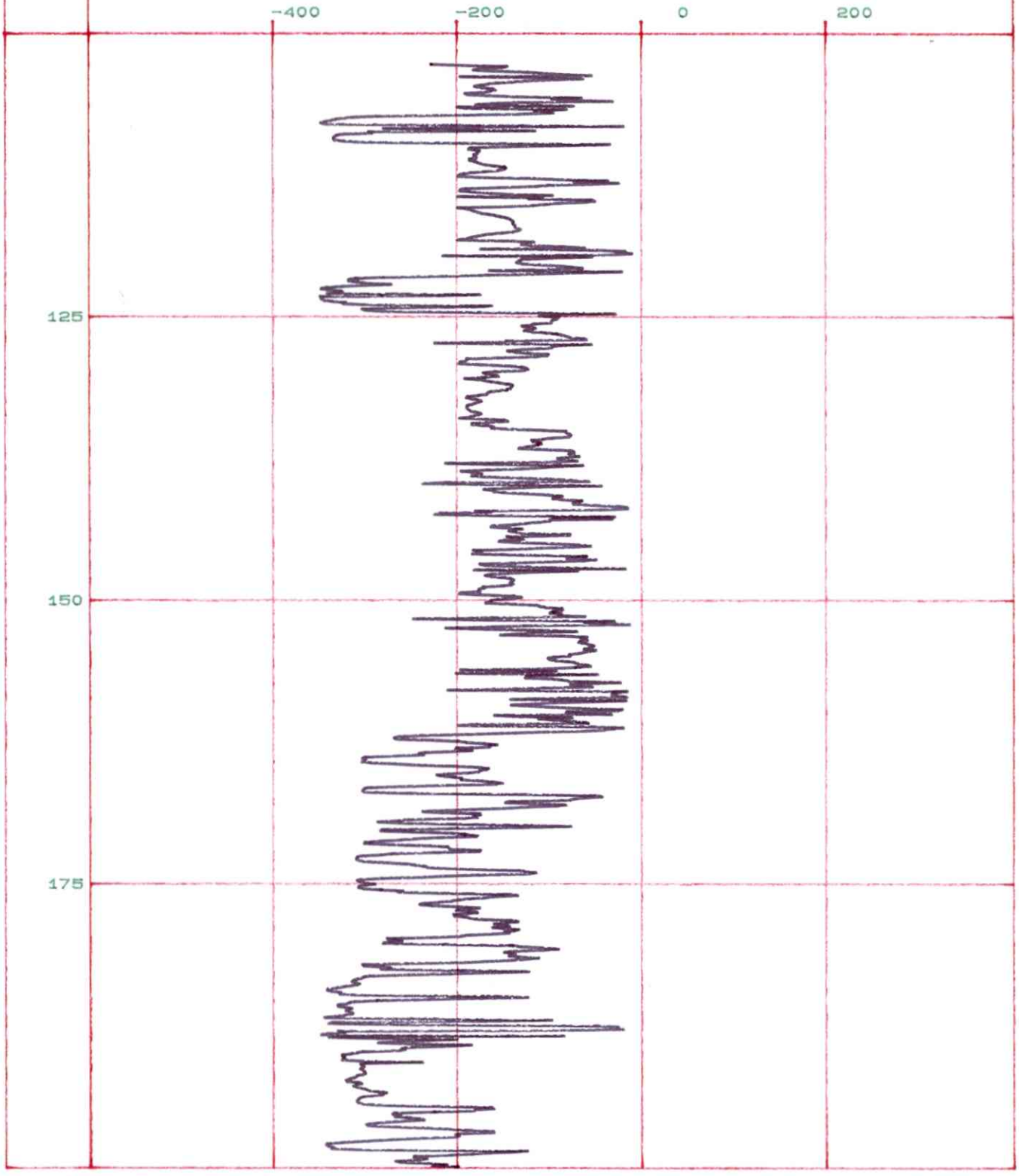
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 185
Probe SP-ION
Date 850806
Scale 1: 500

SELVPOTENSIAL
mV



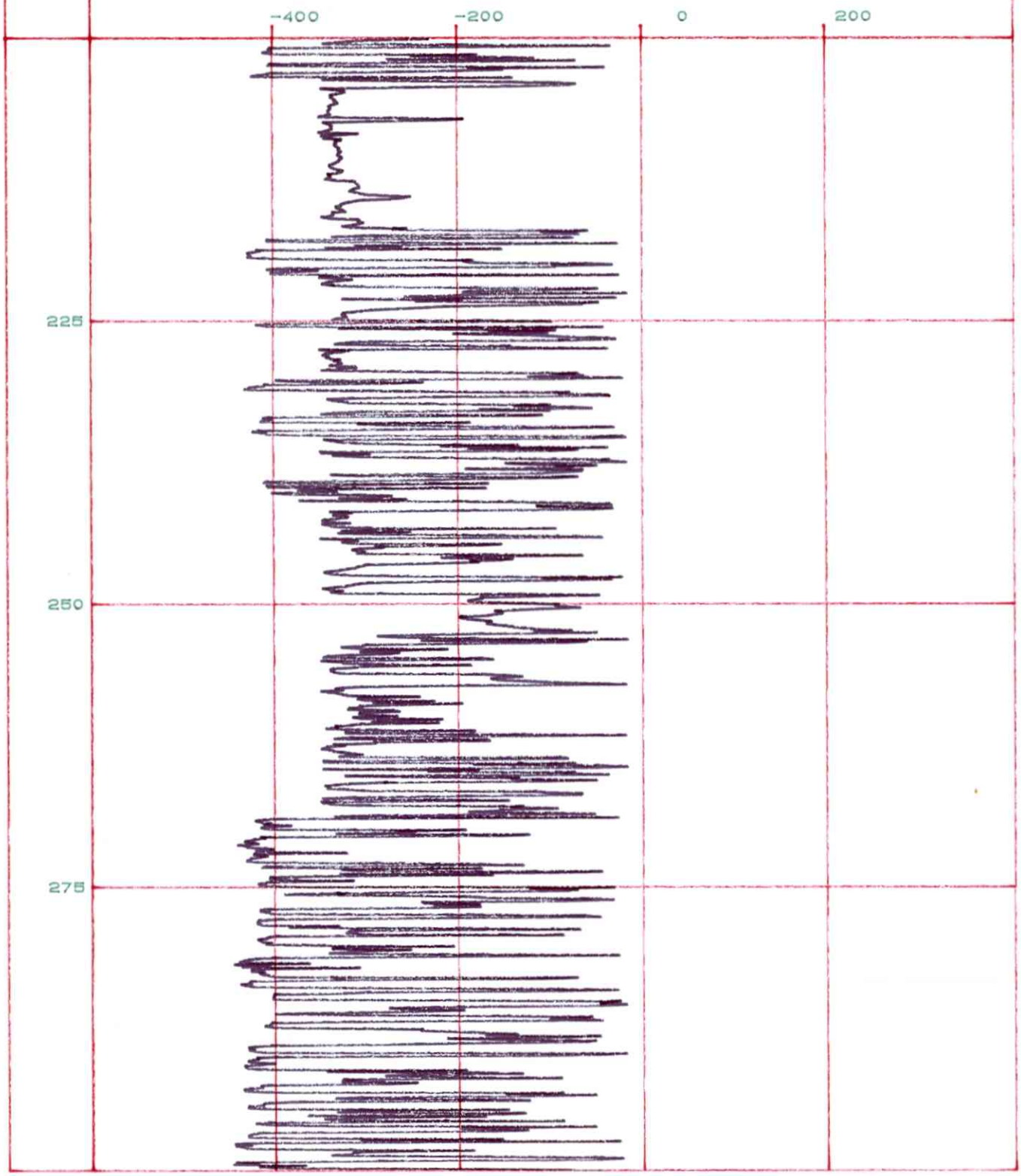
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 185
Probe SP-ION
Date 850806
Scale 1: 500

SELVPOTENSIAL
mV



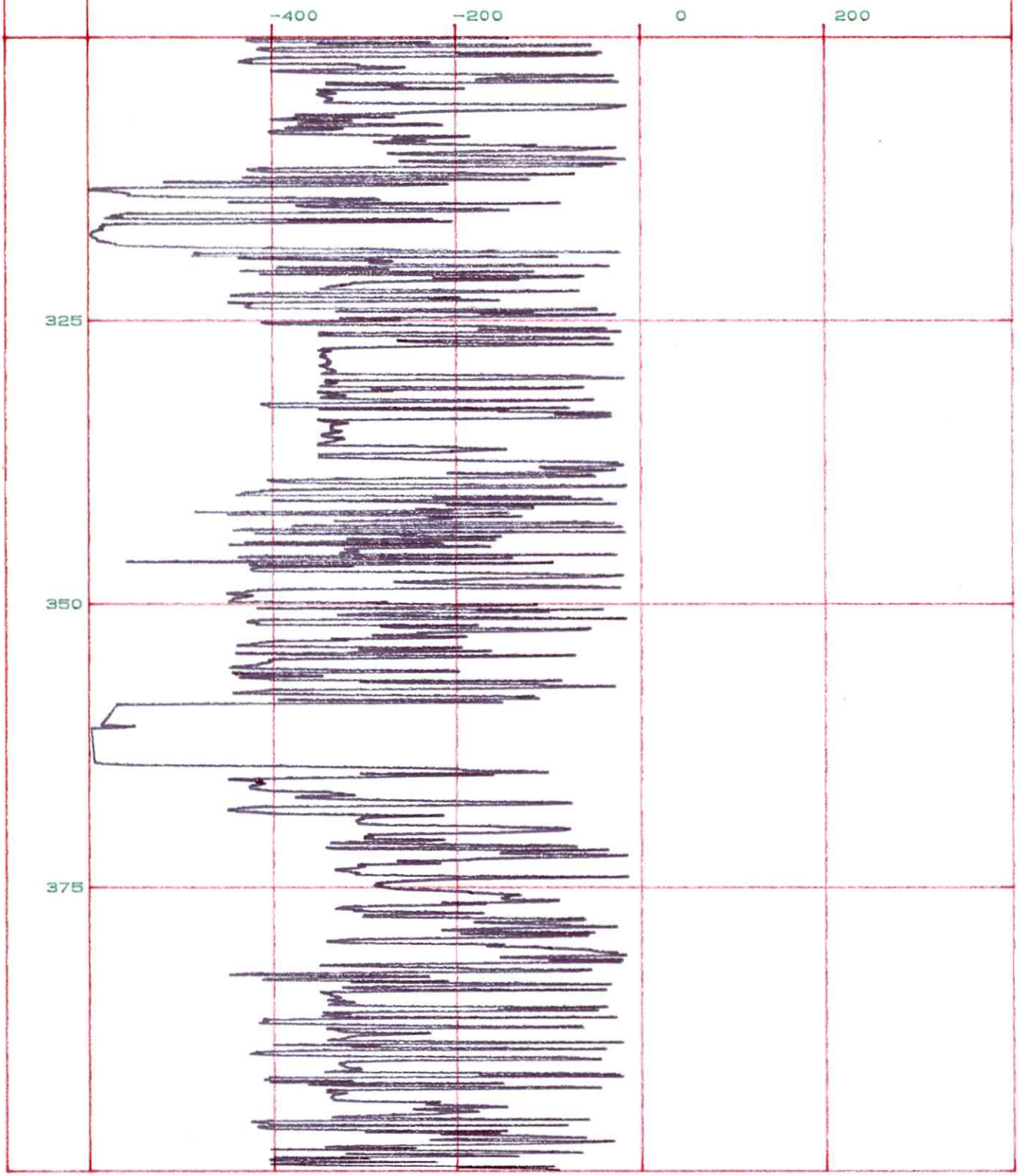
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 185
Probe SP-ION
Date 850806
Scale 1: 500

SELVPOTENSIAL
mV



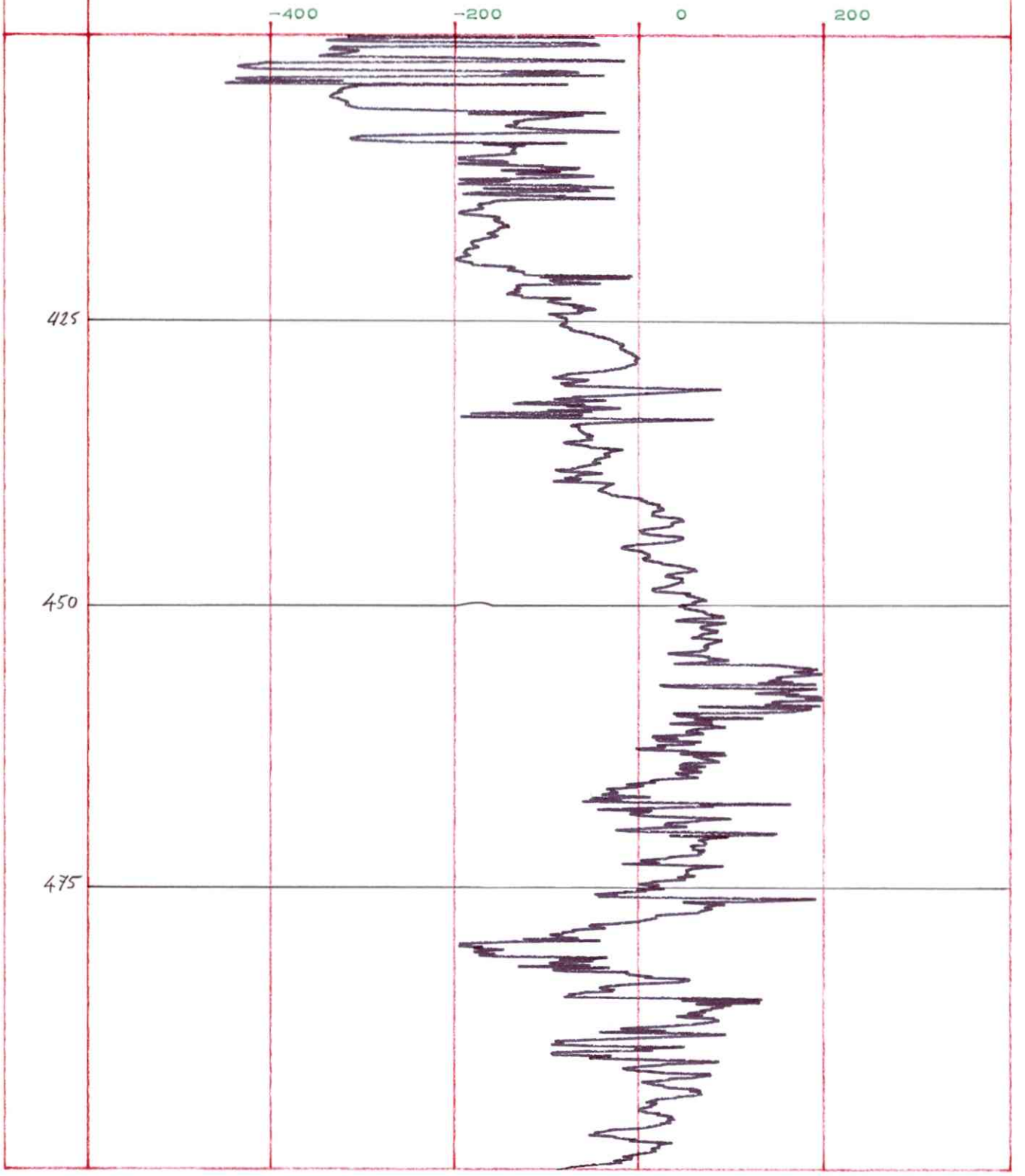
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 185
Probe SP-ION
Date 850806
Scale 1: 500

SELVPOTENSIAL
mV



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

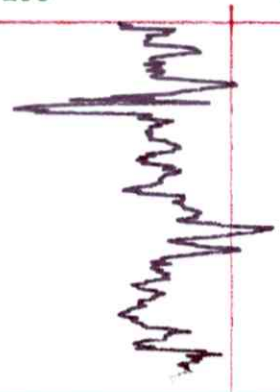
SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 185
Probe SP-ION
Date 850806
Scale 1: 500

SELVPOTENSIAL
mV

-400 -200 0 200

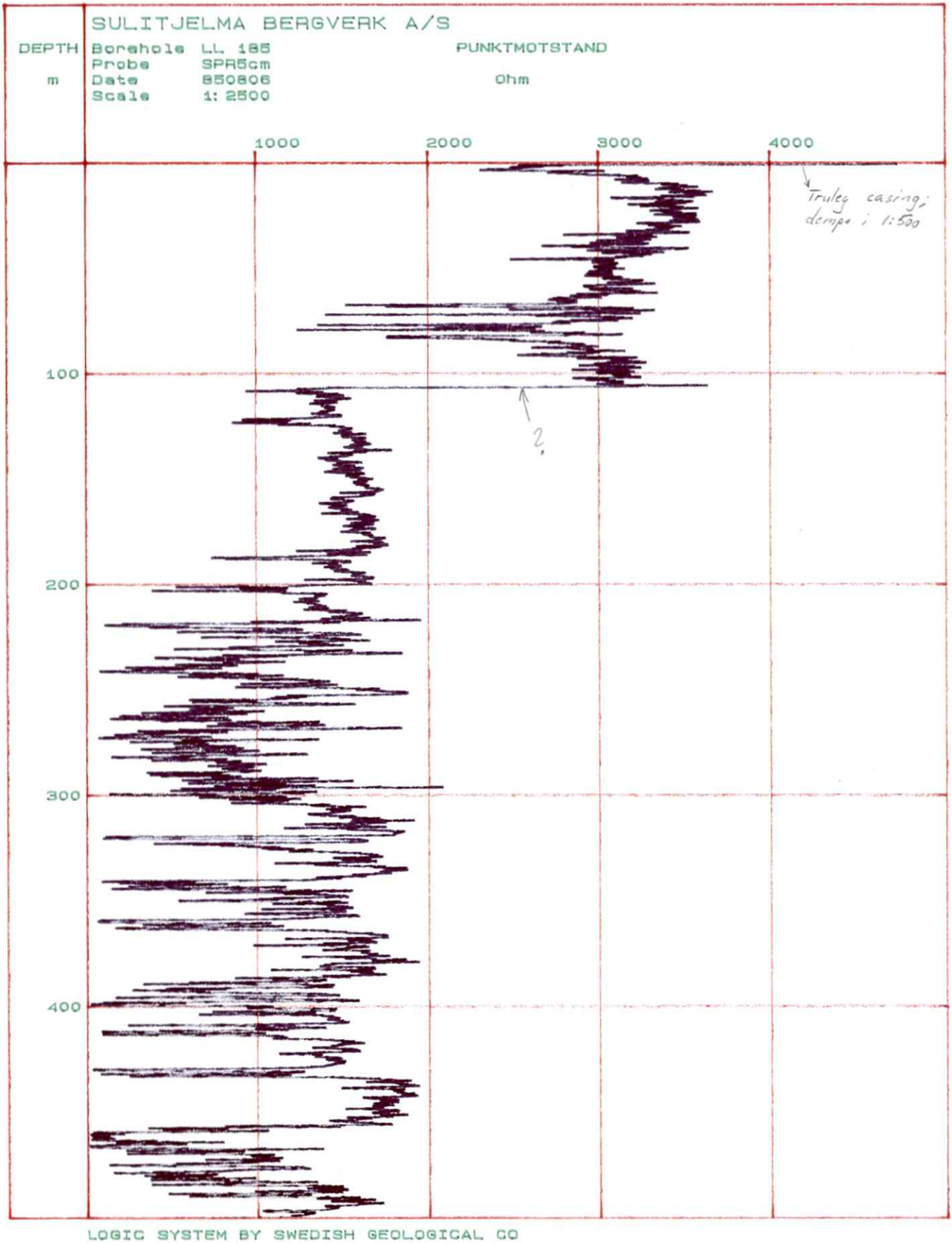


525

550

575

LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

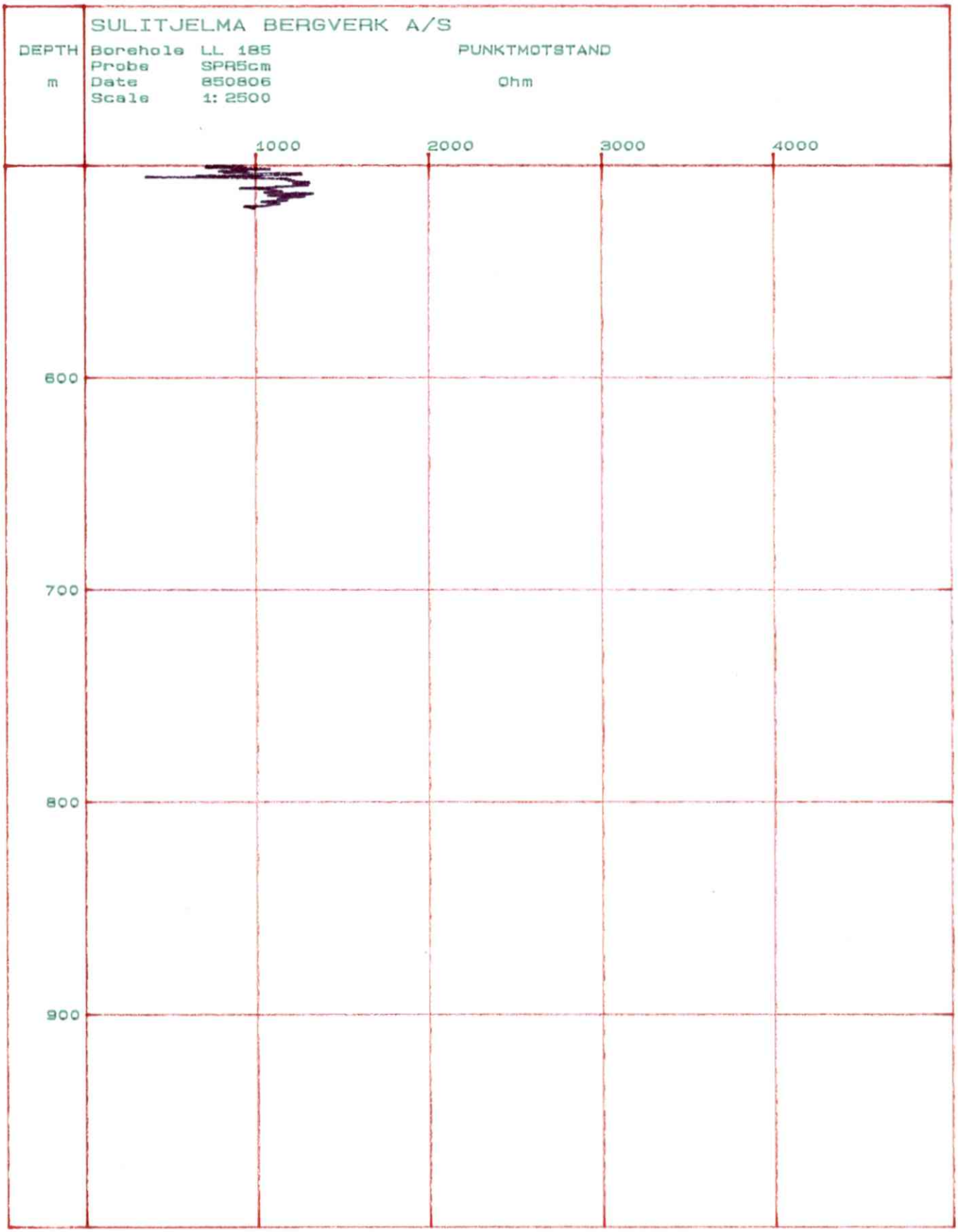

SULITJELMA BERGVERK A/S
DEPTH
m
Borehole LL 185
Probe SPR5cm
Date 850806
Scale 1: 2500
PUNKTMOTSTAND
Ohm
1000
2000
3000
4000
Truleg casing; dempa i 1:500
2.
100
200
300
400
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

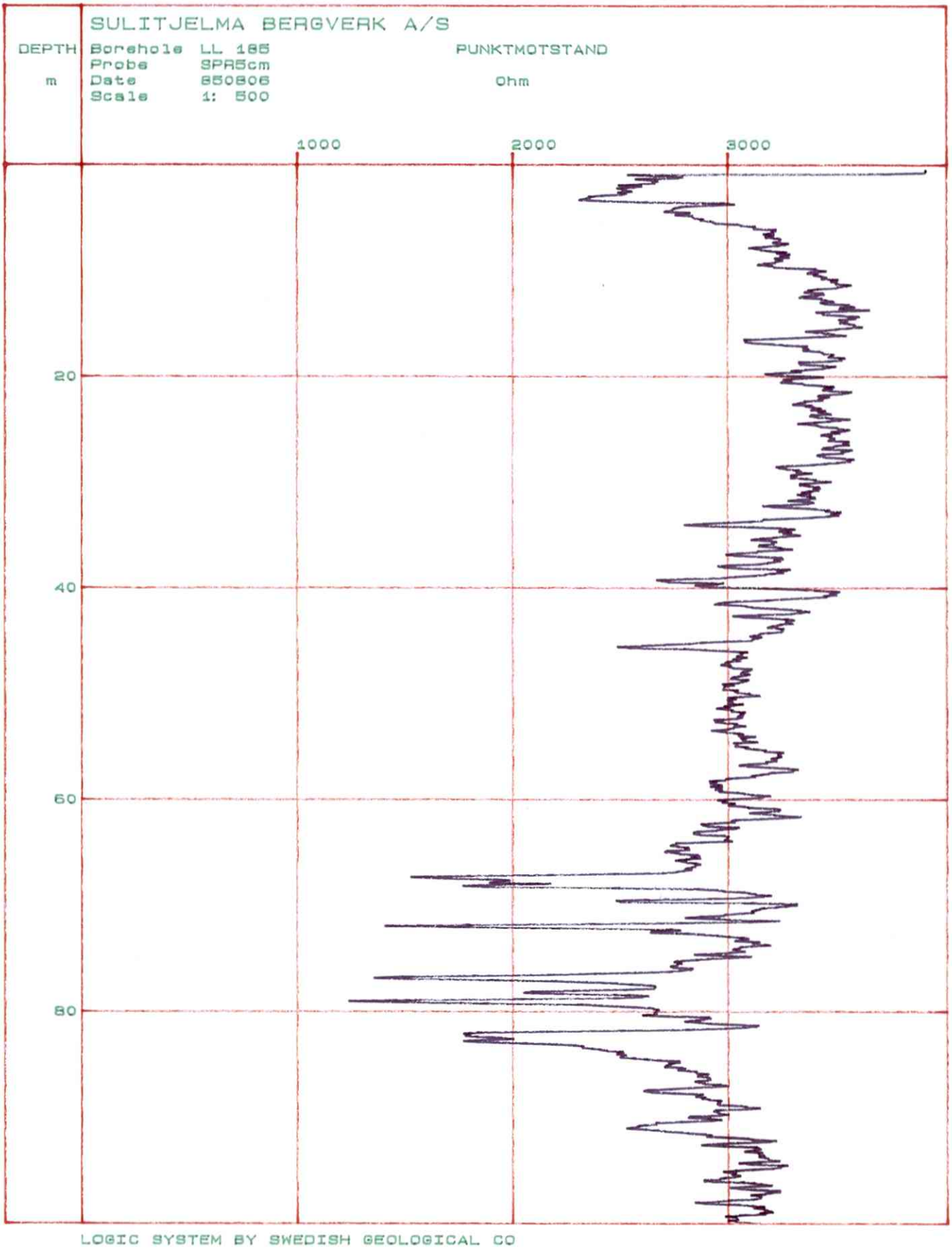
DEPTH
m

Borehole LL 185
Probe SPR5cm
Date 850806
Scale 1: 2500

PUNKTMOTSTAND
Ohm



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

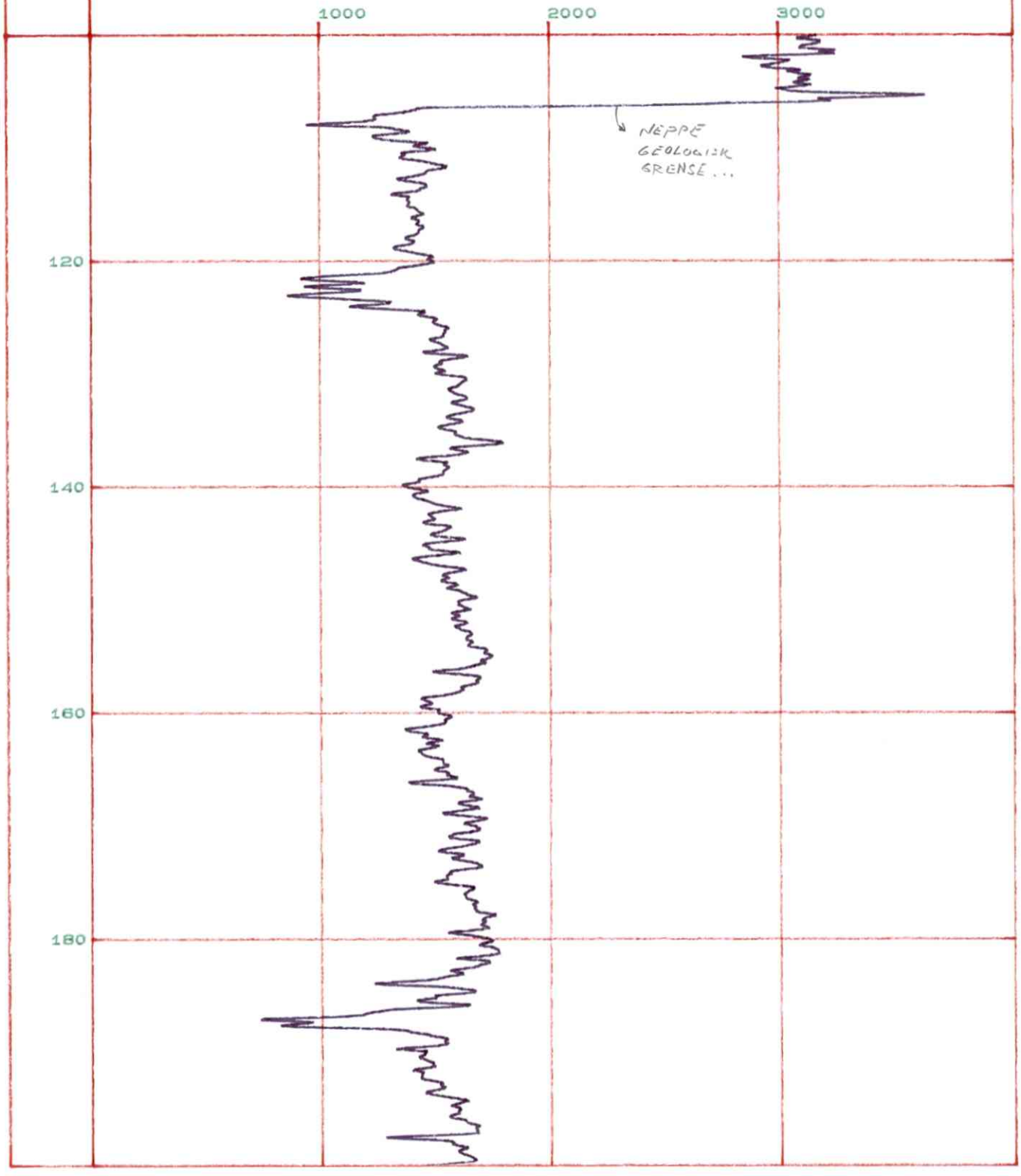
SULITJELMA BERGVERK A/S

DEPTH m

Borehole LL 185
Probe SPR5cm
Date 850806
Scale 1: 500

PUNKTMOTSTAND

Ohm



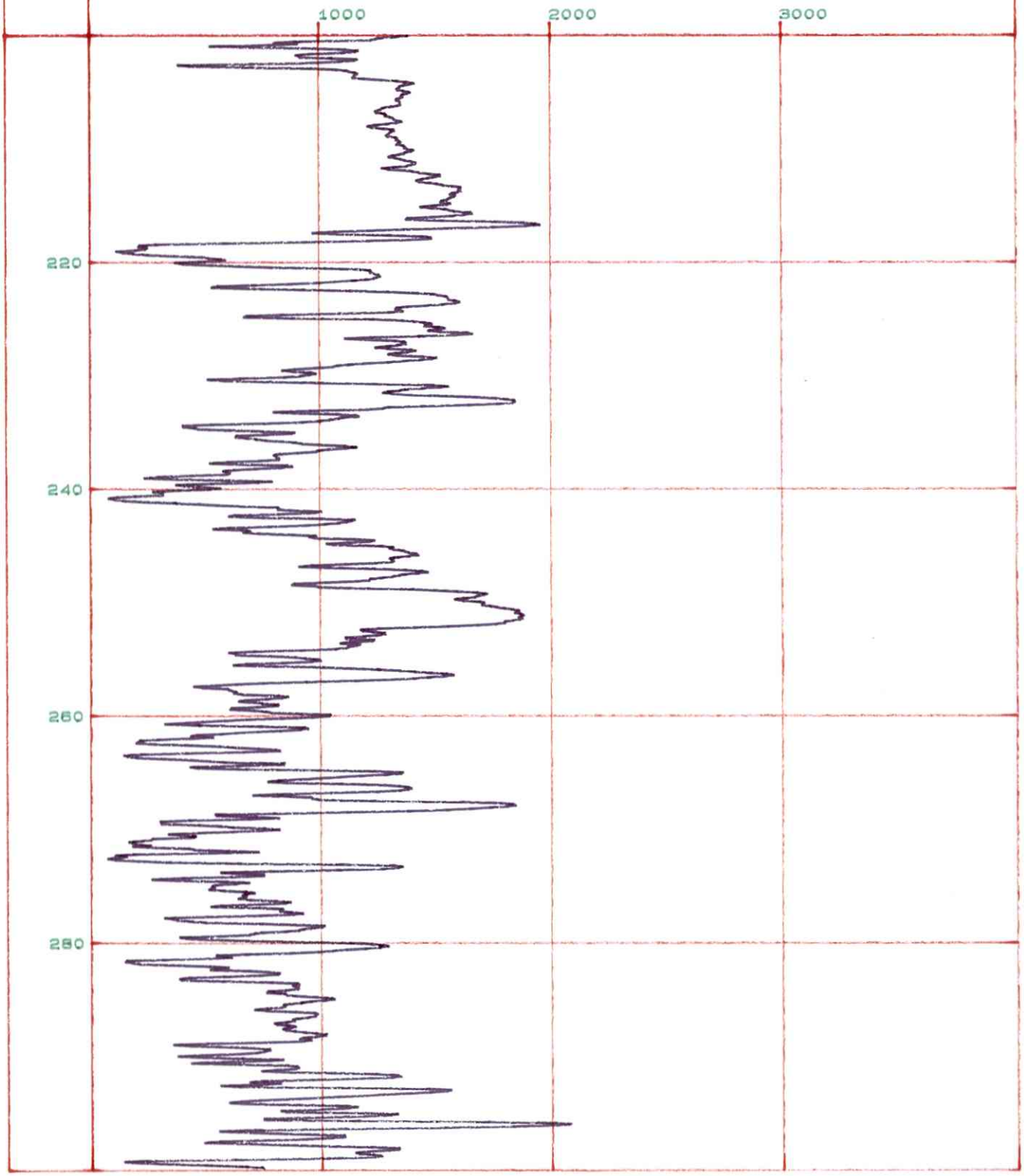
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 185
Probe SPR5cm
Date 850806
Scale 1: 500

PUNKTMOTSTAND
Ohm



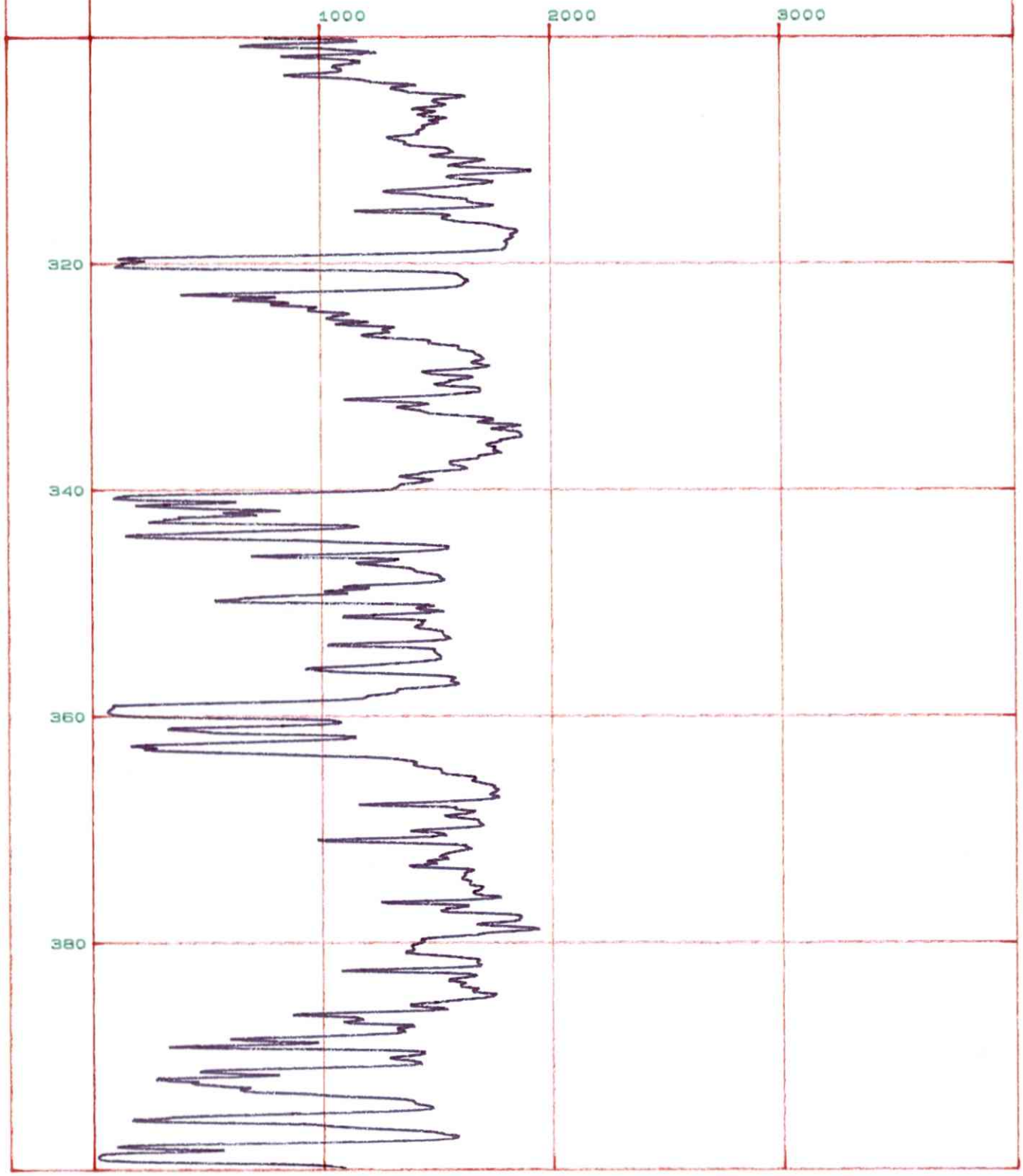
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 185
Probe SPR5cm
Date 850806
Scale 1: 500

PUNKTMOTSTAND
Ohm



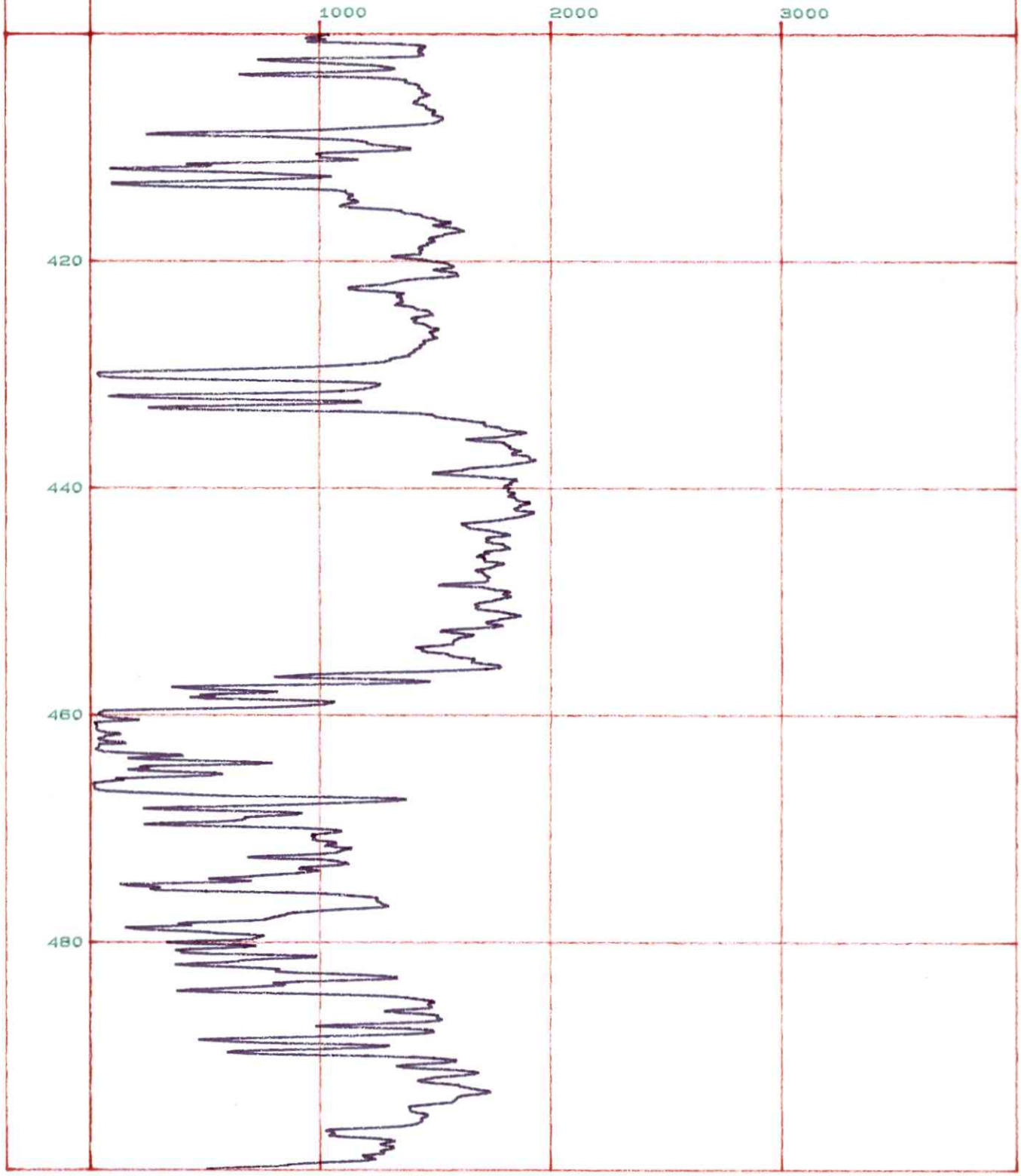
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 185
Probe SPR5cm
Date 850806
Scale 1: 500

PUNKTMOTSTAND
Ohm



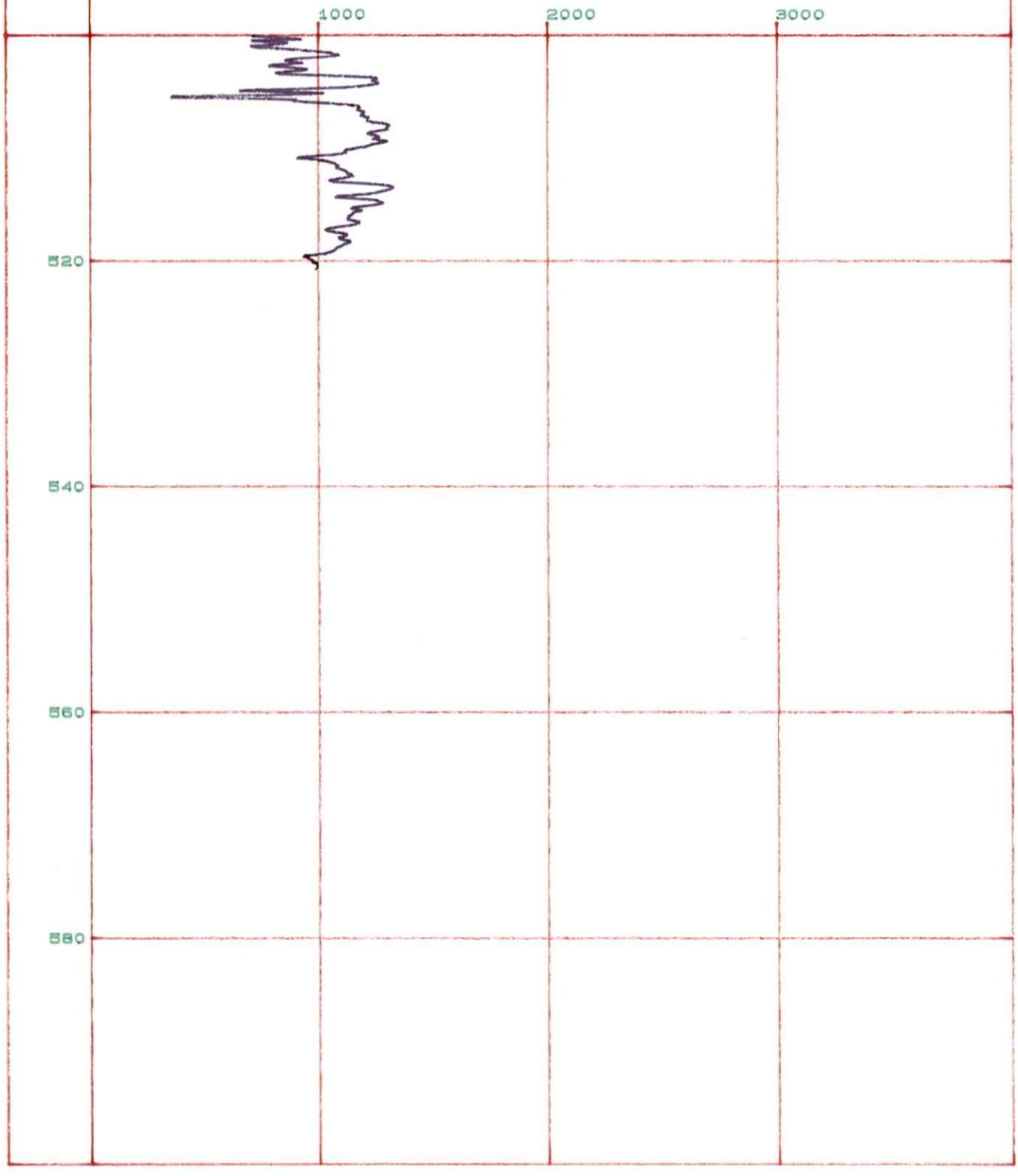
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 185
Probe SPR5cm
Date 850806
Scale 1: 500

PUNKTMOTSTAND
Ohm



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

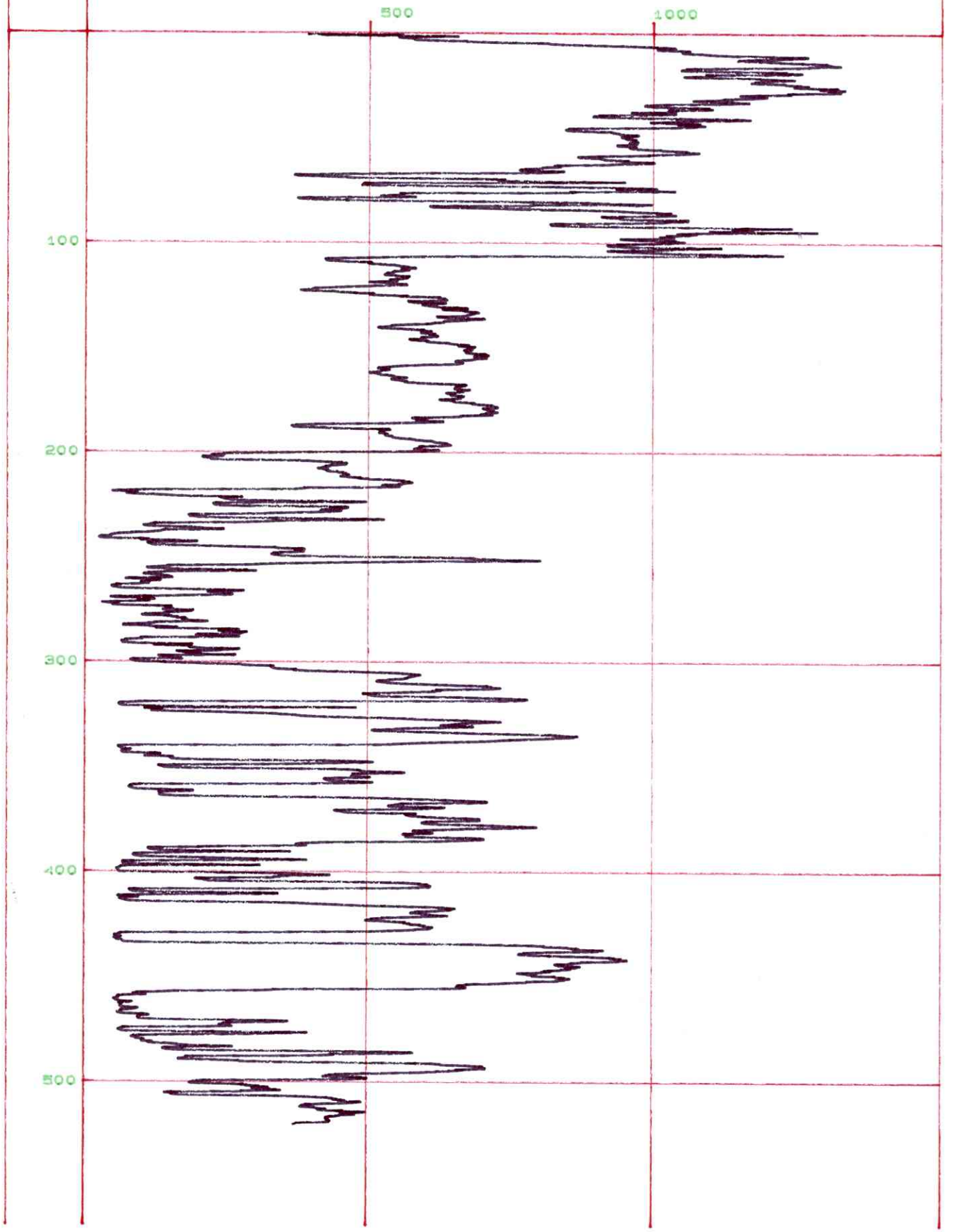
SULITJELMA BERGVERK A/S

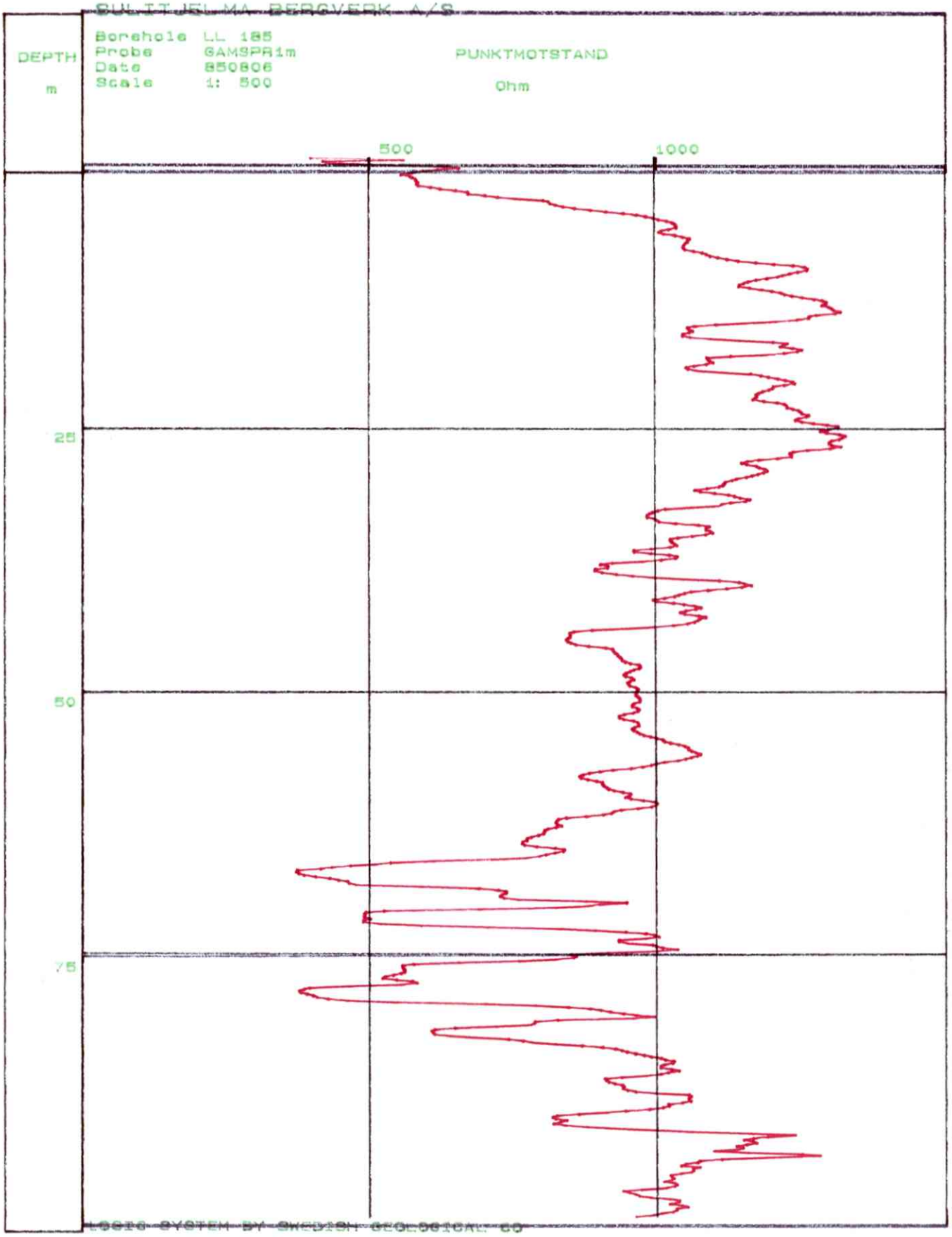
DEPTH m

Borehole LL 185
Probe GAMSPR1m
Date 850806
Scale 1: 2500

PUNKTMOTSTAND

Ohm



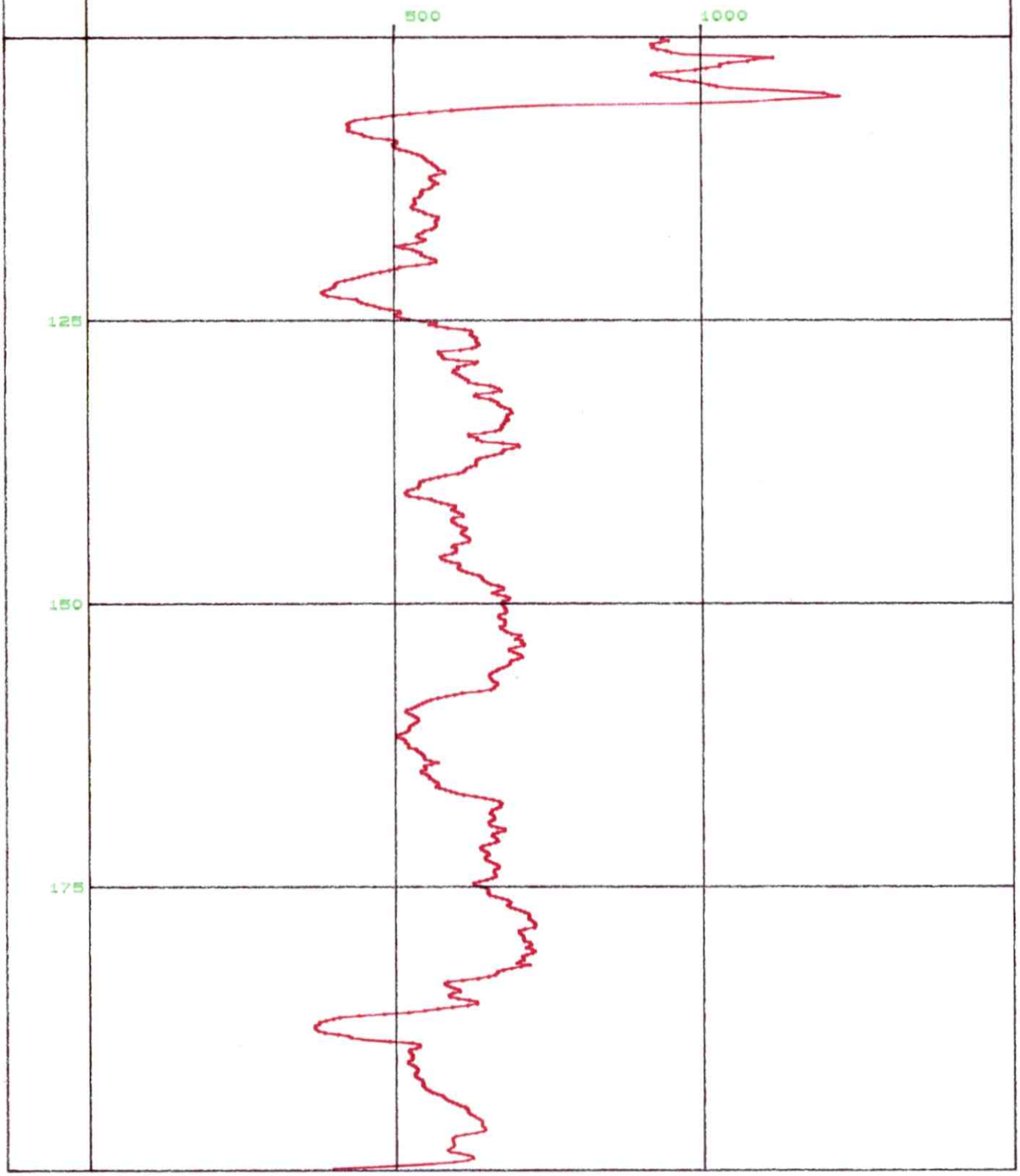

BULLTJELMA BERGVERK A/S
Borehole LL 185
Probe GAMSPR1m
Date 850806
Scale 1: 500
DEPTH
m
PUNKTMOTSTAND
Ohm
500
1000
25
50
75

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 185
Probe GAMSPRim
Date 850806
Scale 1: 500

PUNKTMOTSTAND
Ohm



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

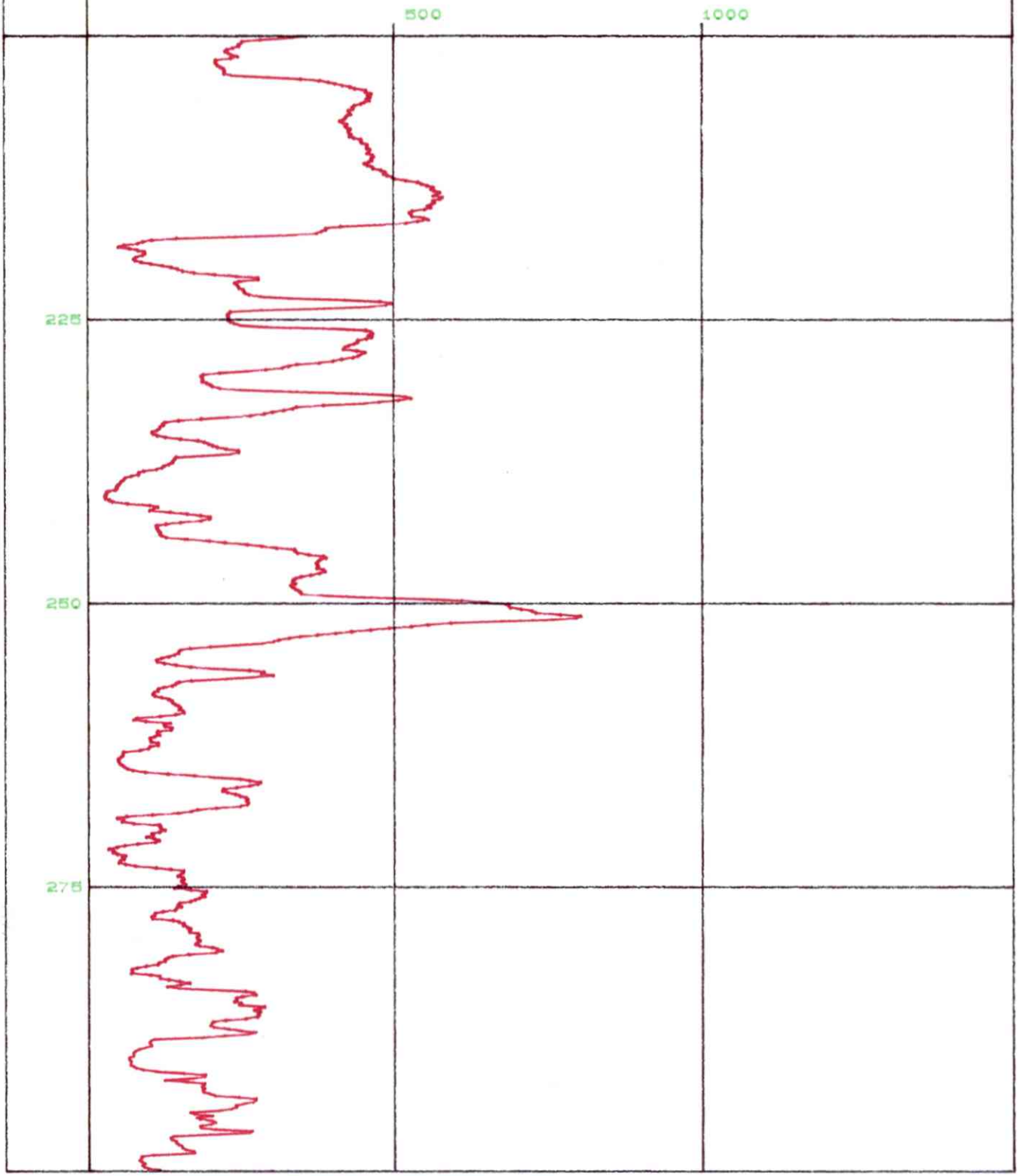
SULITJELMA BERGVERK A/S

DEPTH m

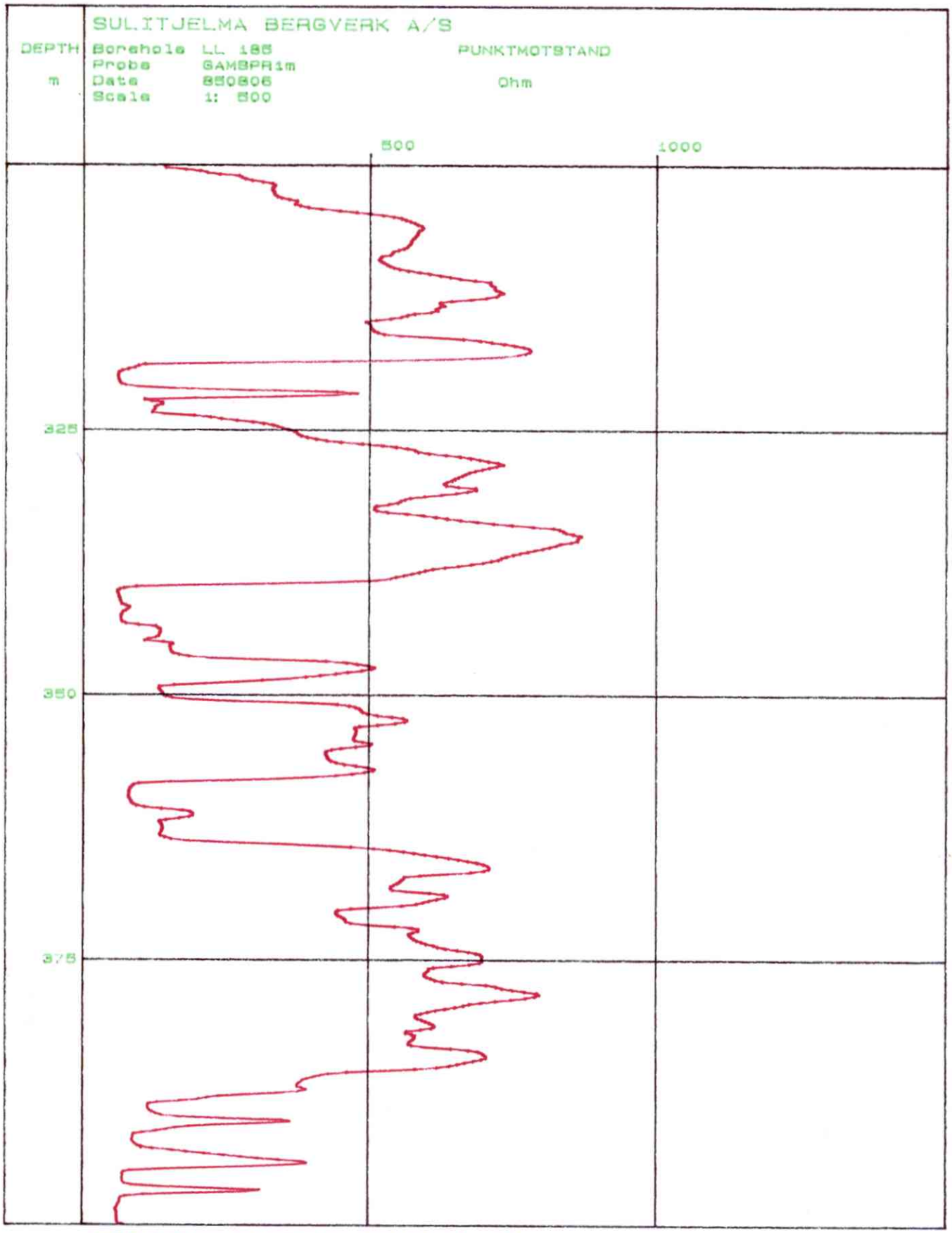
Borehole LL 185
Probe GAMSPR1m
Date 850806
Scale 1: 500

PUNKTMOTSTAND

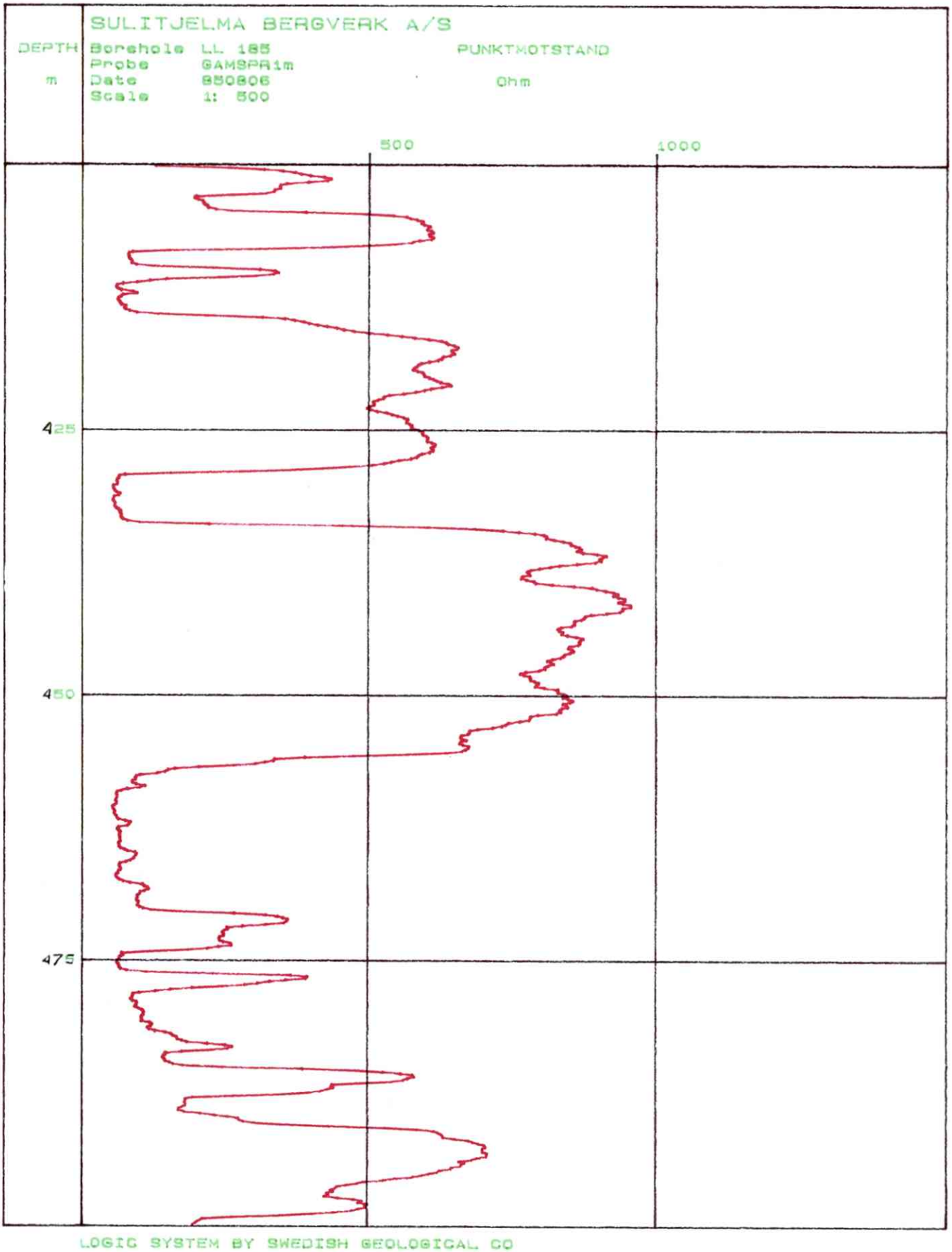
Ohm



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO


SULITJELMA BERGVERK A/S
DEPTH
m
Borehole LL 185
Probe GAMSPR1m
Date 850806
Scale 1: 500
PUNKTMOTSTAND
Ohm
500
1000
425
450
475
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

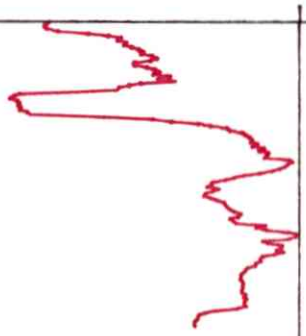
DEPTH
m

Borehole LL 185
Probe GAMSPR1m
Date 850806
Scale 1: 500

PUNKTMOTSTAND
Ohm

500
1000

525
550
575



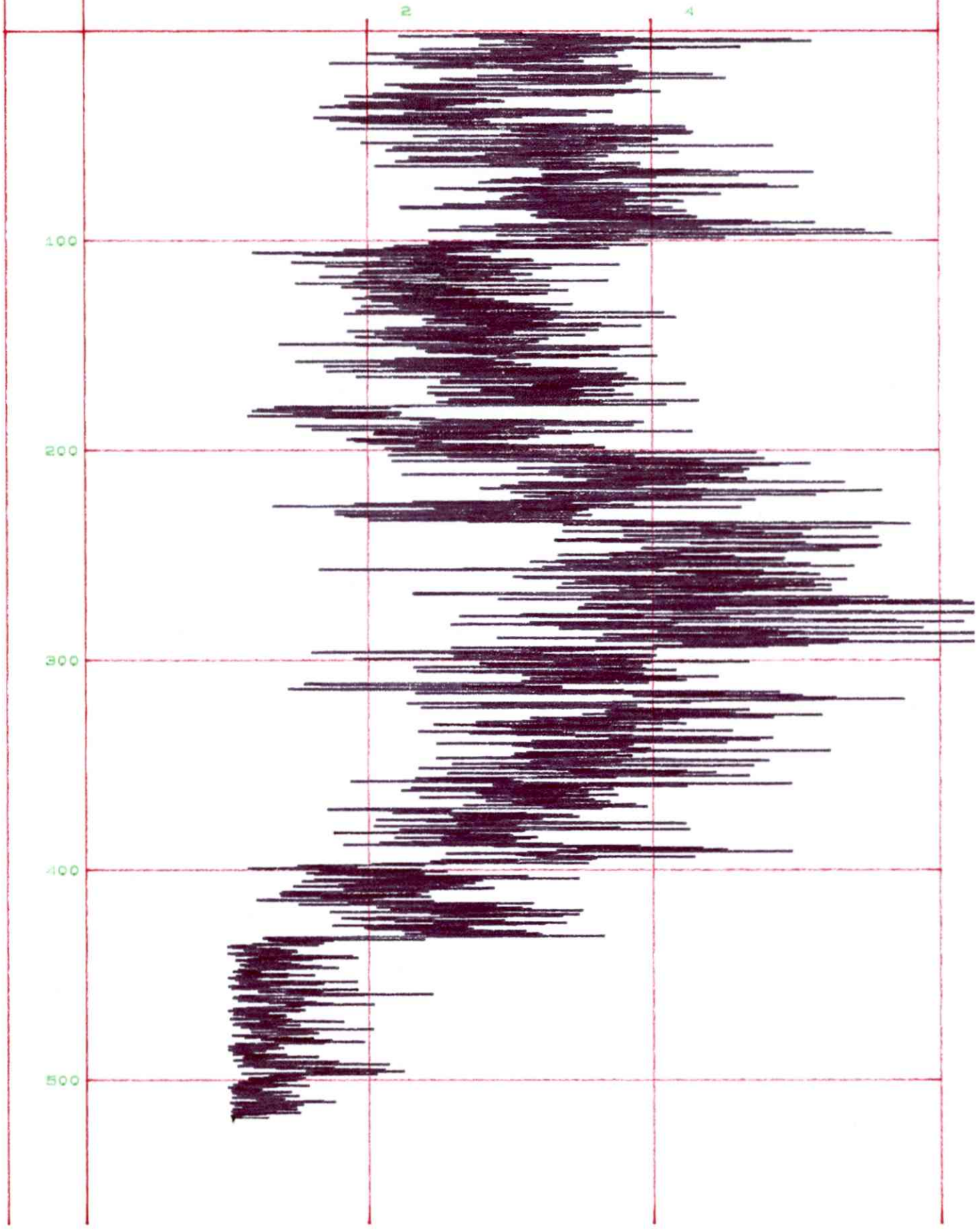
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 185
Probe GAMSPR1m
Date 850806
Scale 1:2500

GAMMASTRLING
mikR/h

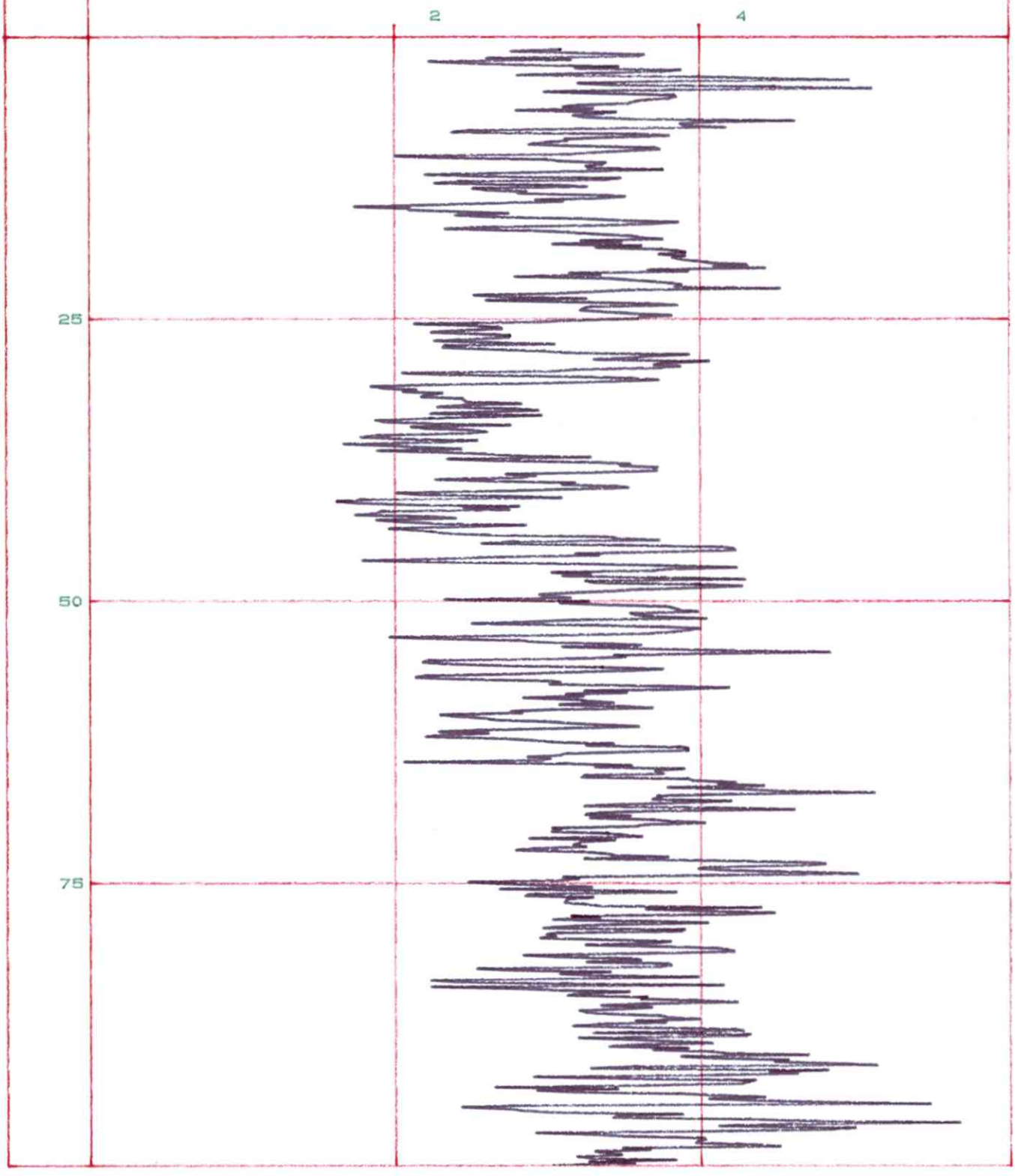


SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 185
Probe GAMSPR1m
Date 850806
Scale 1: 500

GAMMASTRLING
m1kR/h



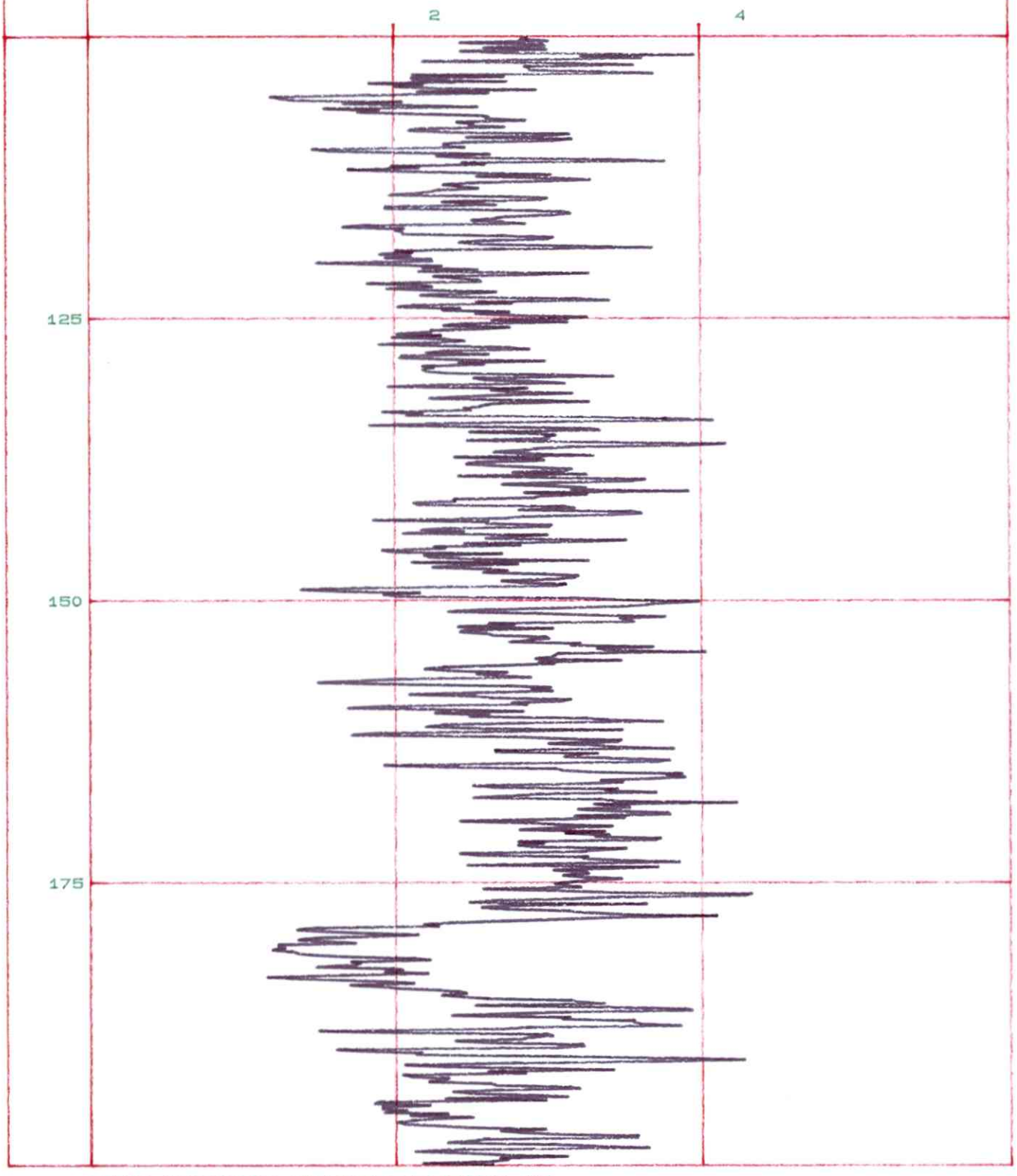
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 185
Probe GAMSPR1m
Date 850806
Scale 1: 500

GAMMASTRLING
mikR/h



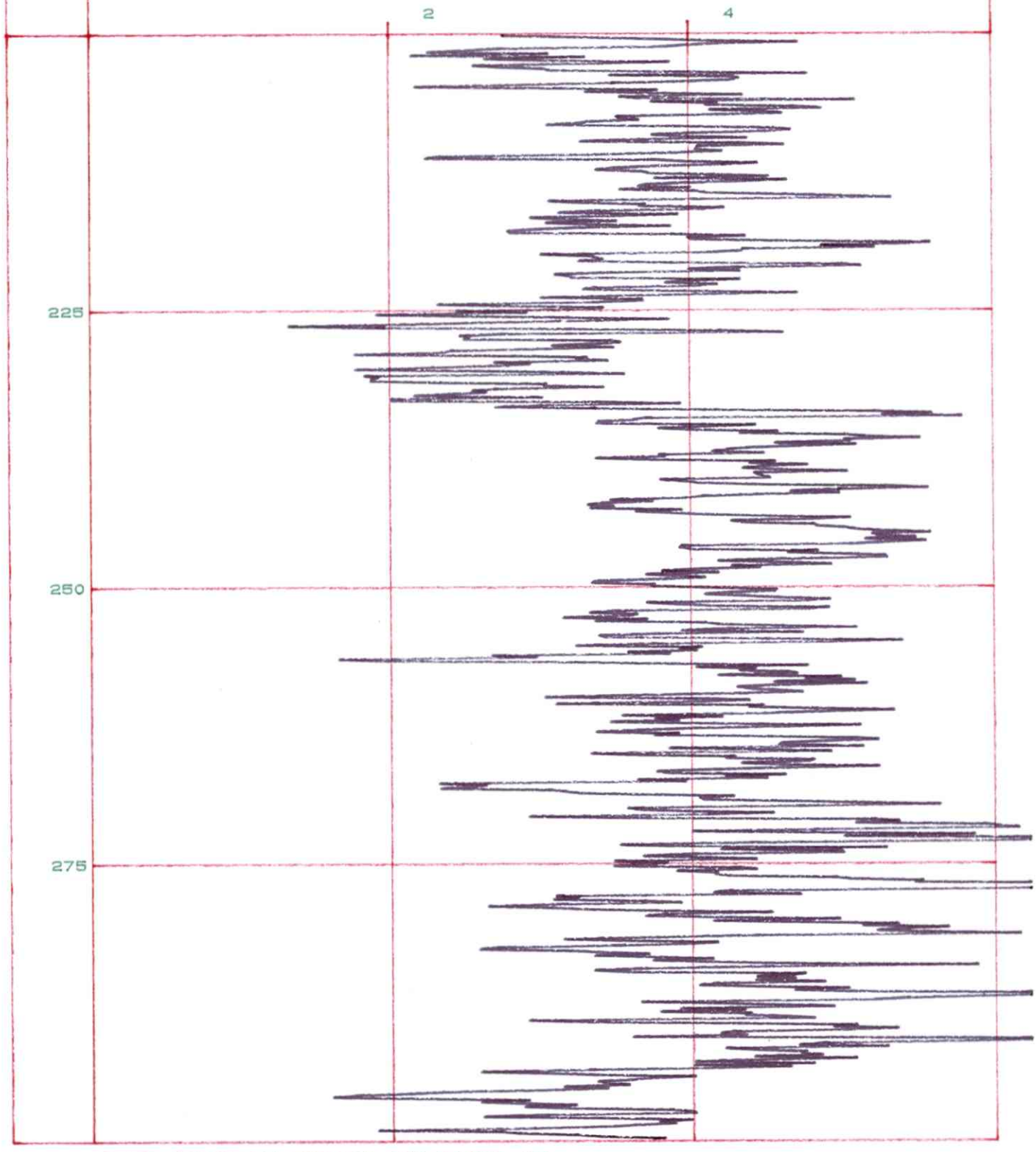
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 185
Probe GAMSPR1m
Date 850806
Scale 1: 500

GAMMASTRLING
mikR/h



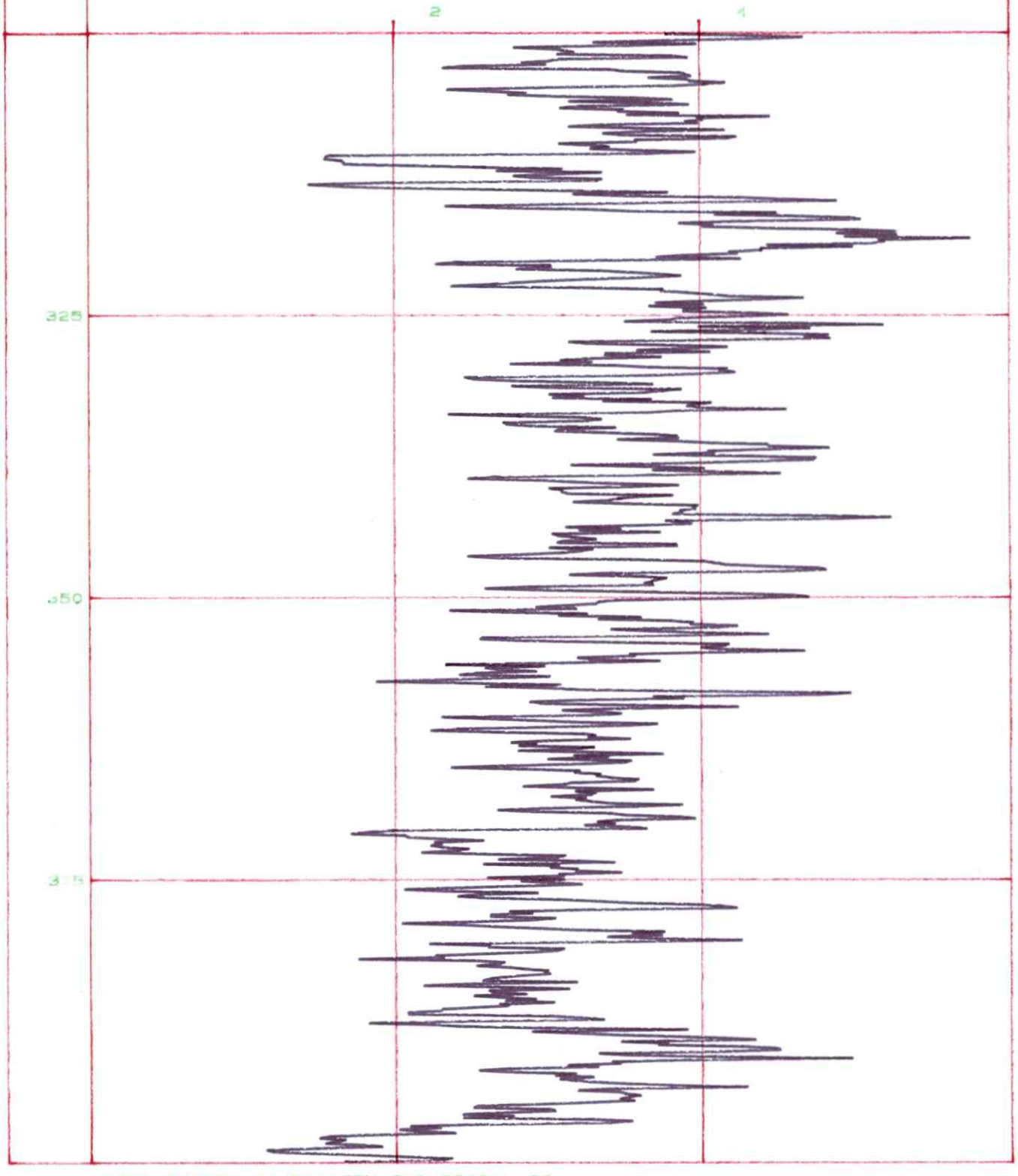
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 165
Probe GAMSPRim
Date 850806
Scale 1: 500

GAMMASTRLING
mikR/h



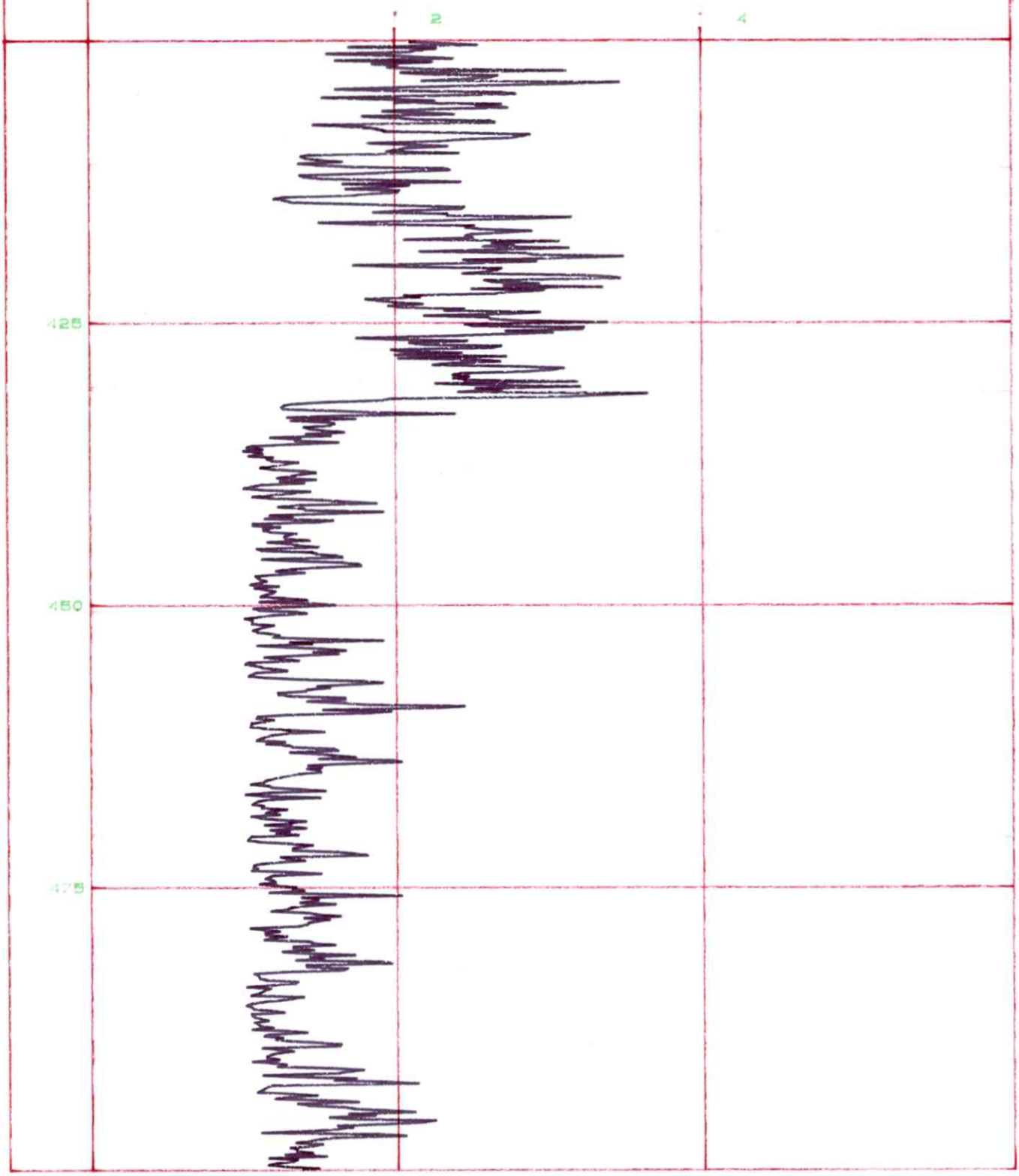
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

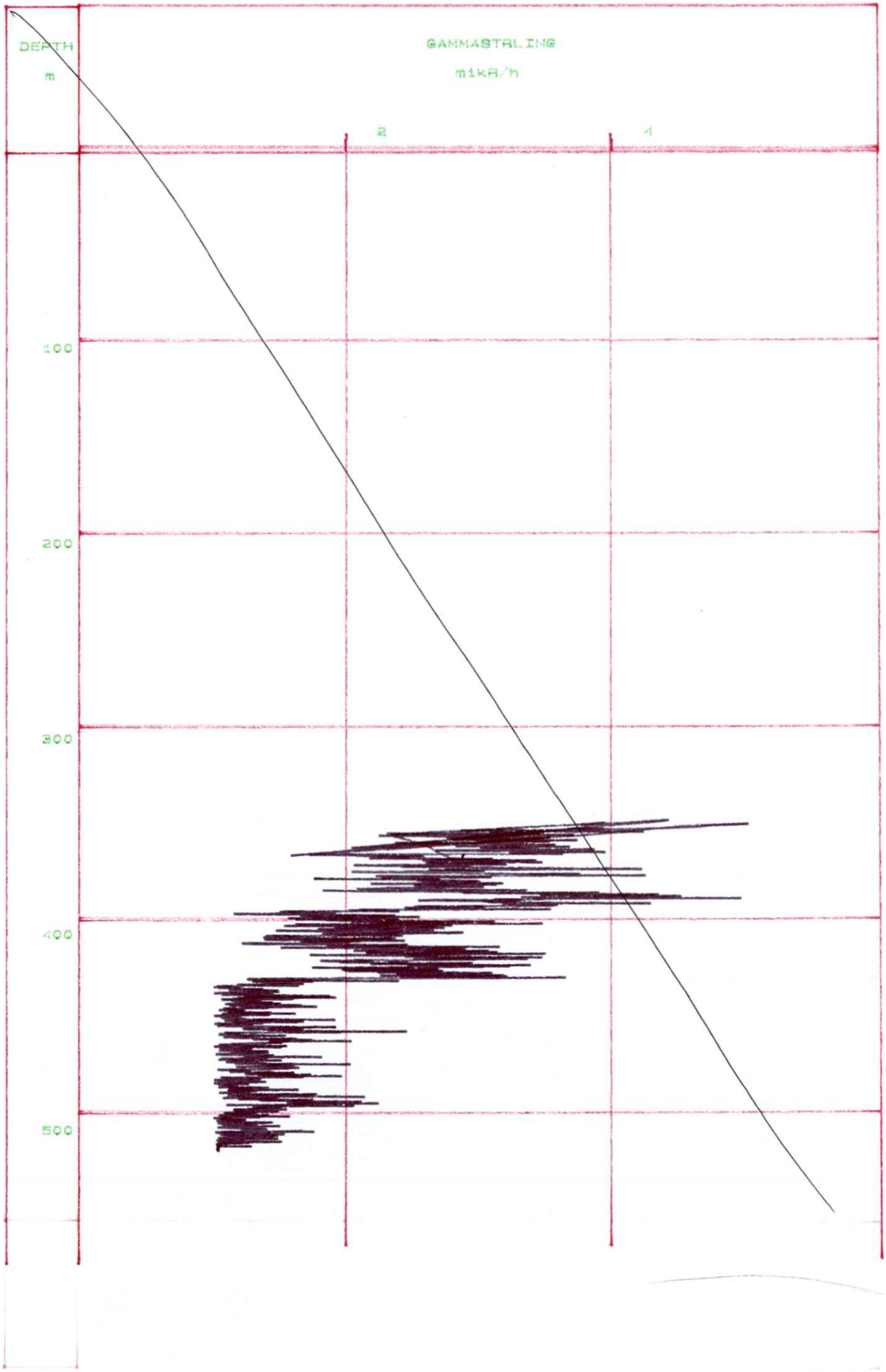
DEPTH
m

Borehole LL 185
Probe GAMSPR1m
Date 850806
Scale 1: 500

GAMMASTRLING
mikR/h



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO


DEPTH
m
GAMMASTRLING
m1kR/h
2
1
100
200
300
400
500

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 185
Probe GAMSPR1m
Date 850606
Scale 1: 500

GAMMASTRLING
mikR/h

2 4

525

550

575

LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

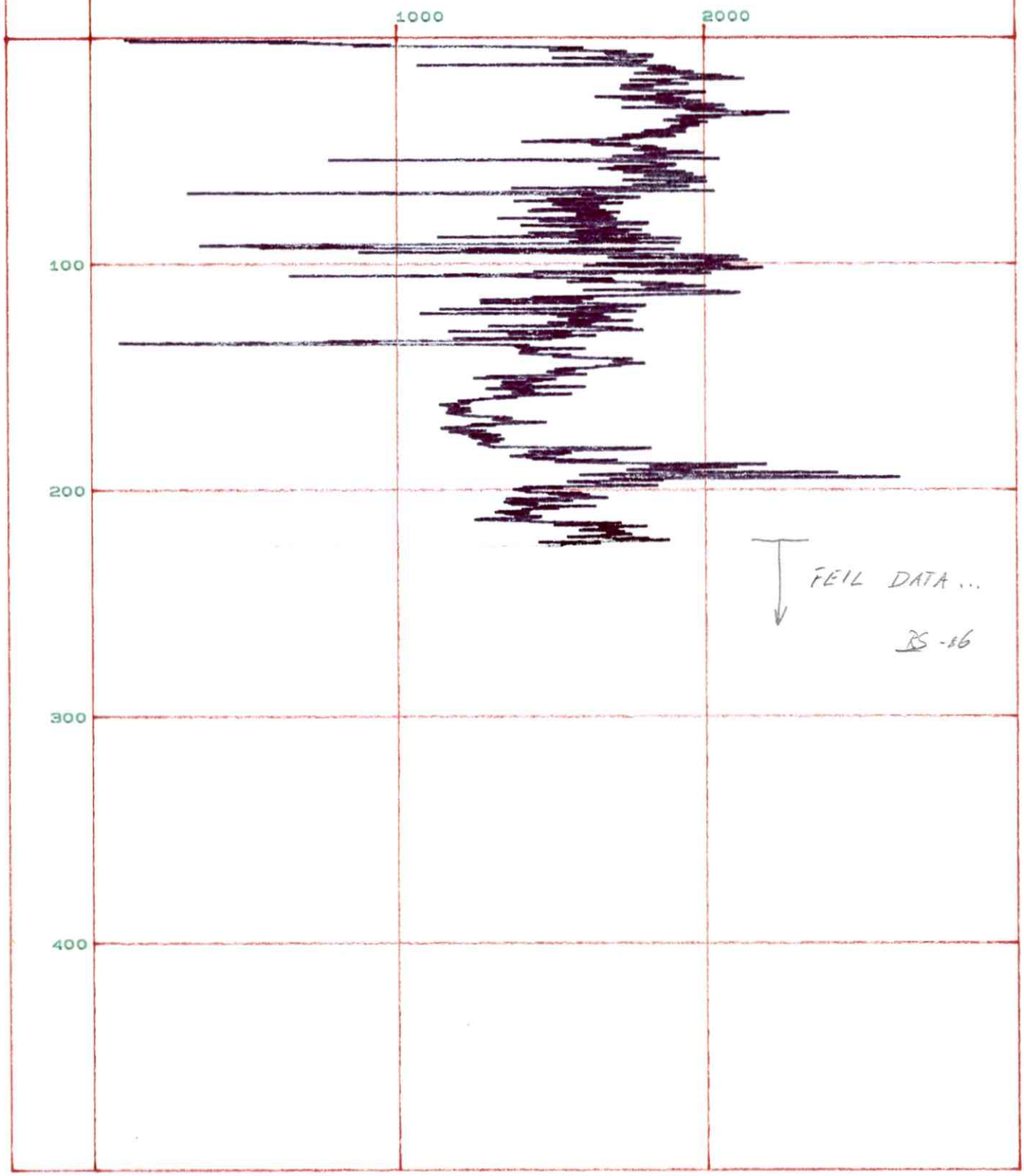
SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 216
Probe SPR5cm
Date 850820
Scale 1: 2500

PUNKTMOTSTAND

Ohm



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

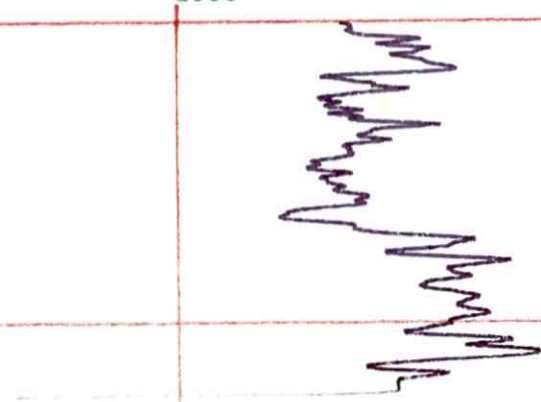
Borehole LL 216
Probe SPR5cm
Date 850820
Scale 1: 500

PUNKTMOTSTAND

Ohm

1000

2000



220

240

260

280

LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

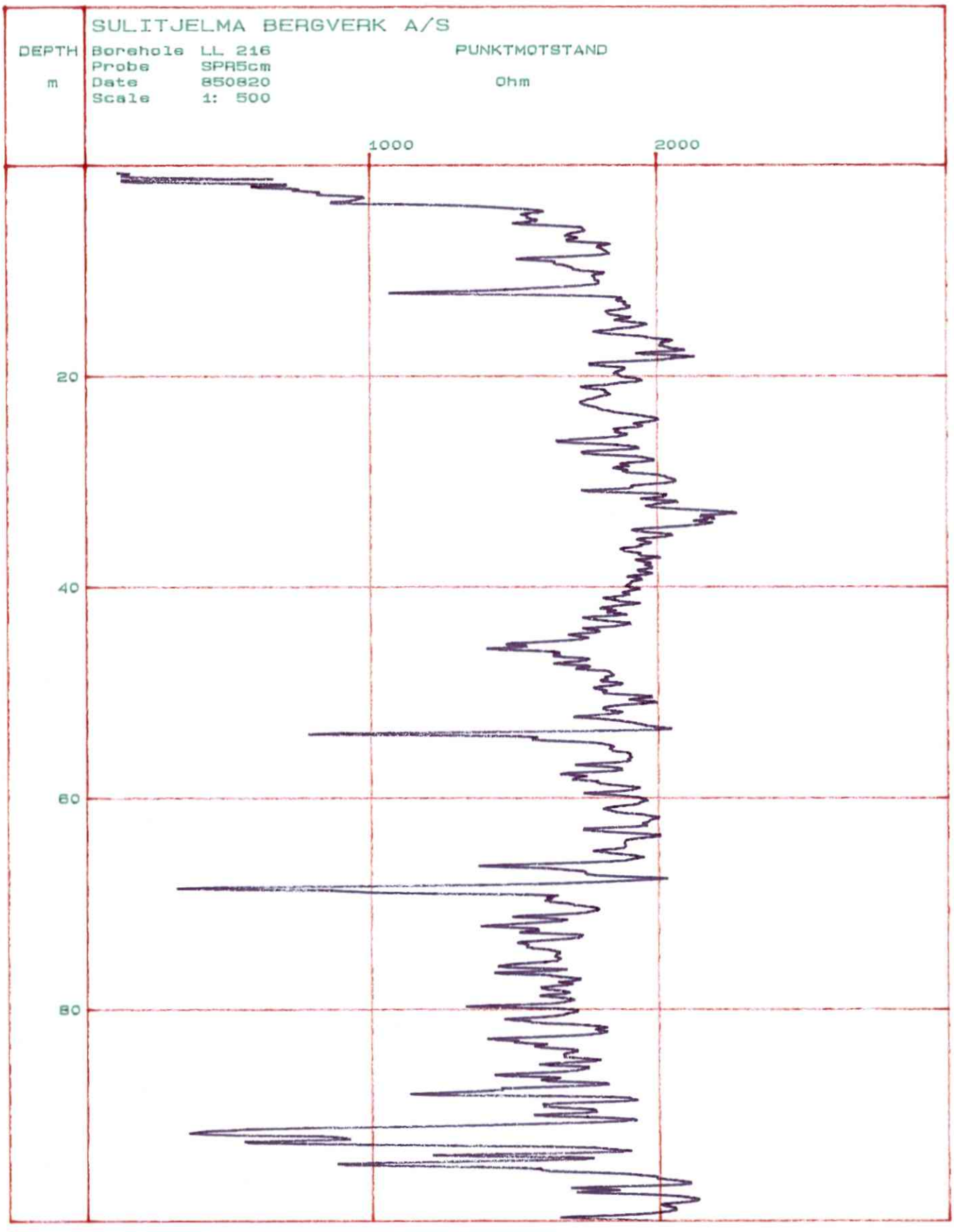
SULITJELMA BERGVERK A/S

DEPTH m

Borehole LL 216
Probe SPR5cm
Date 850820
Scale 1: 500

PUNKTMOTSTAND

Ohm



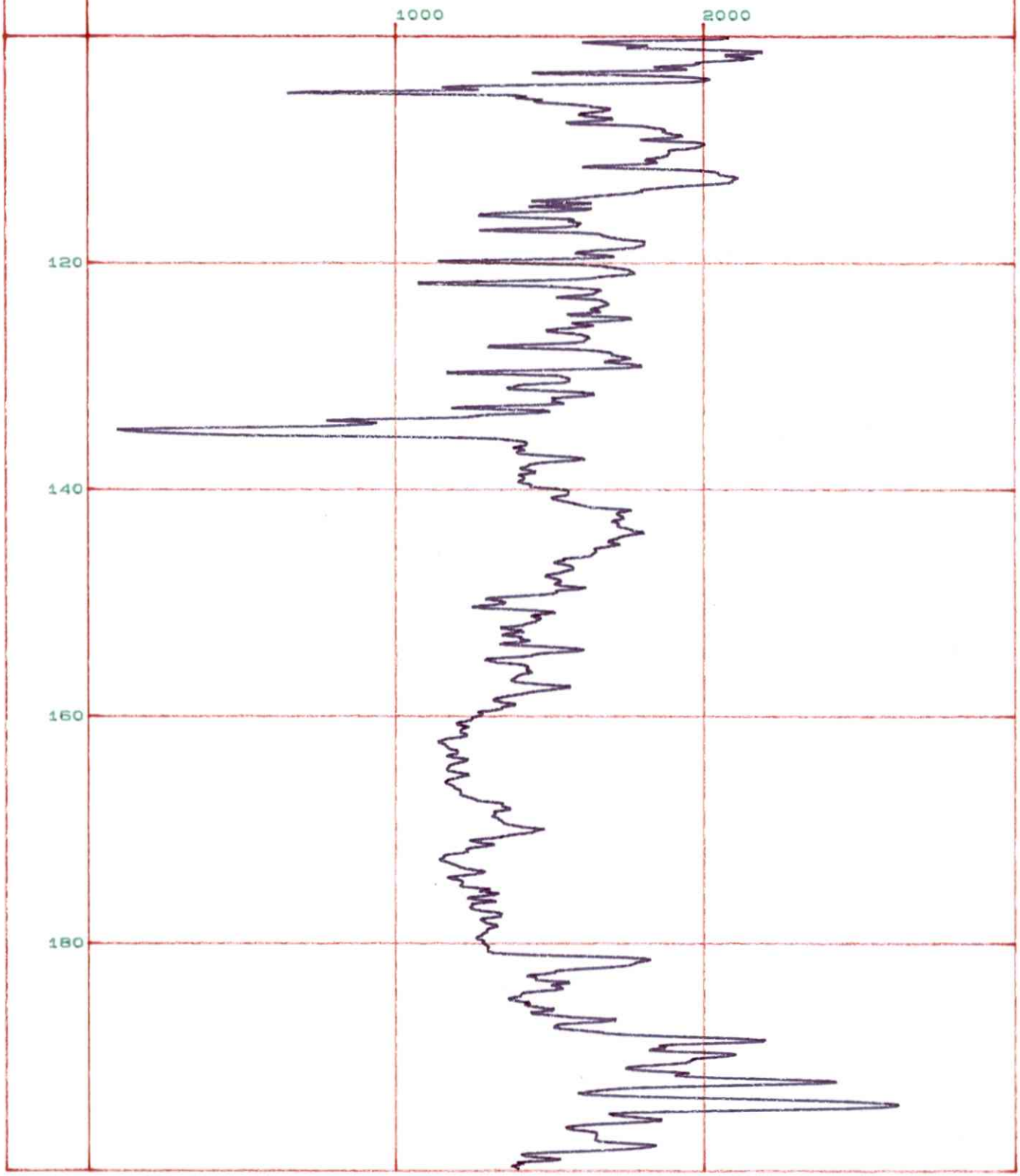
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 216
Probe SPA5cm
Date 850820
Scale 1: 500

PUNKTMOTSTAND
Ohm



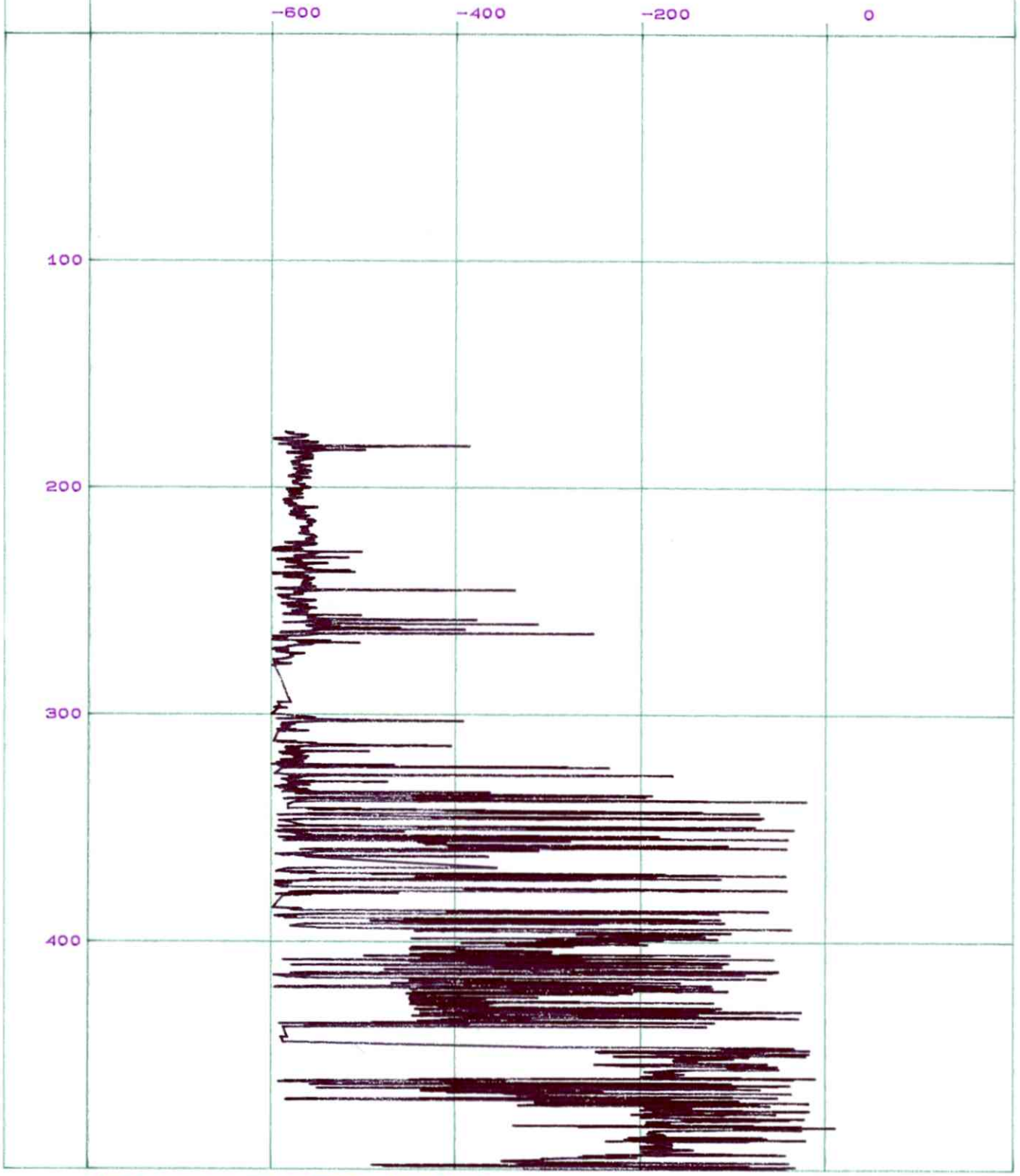
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

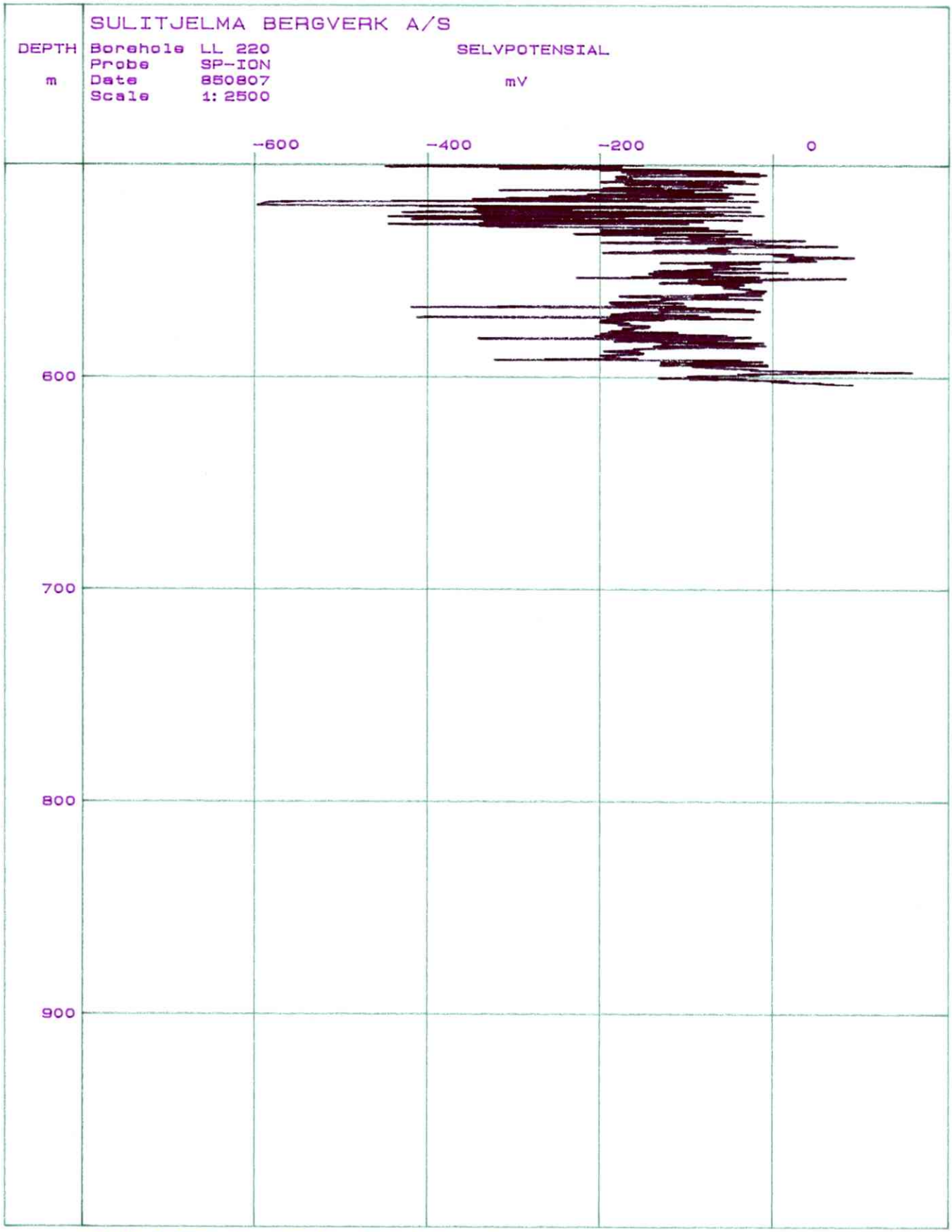
DEPTH
m

Borehole LL 220
Probe SP-ION
Date 850807
Scale 1: 2500

SELVPOTENSIAL
mV



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

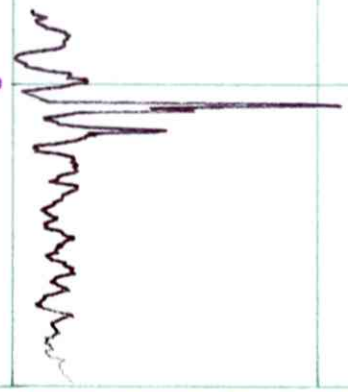
DEPTH
m

Borehole LL 220
Probe SP-ION
Date 850807
Scale 1: 500

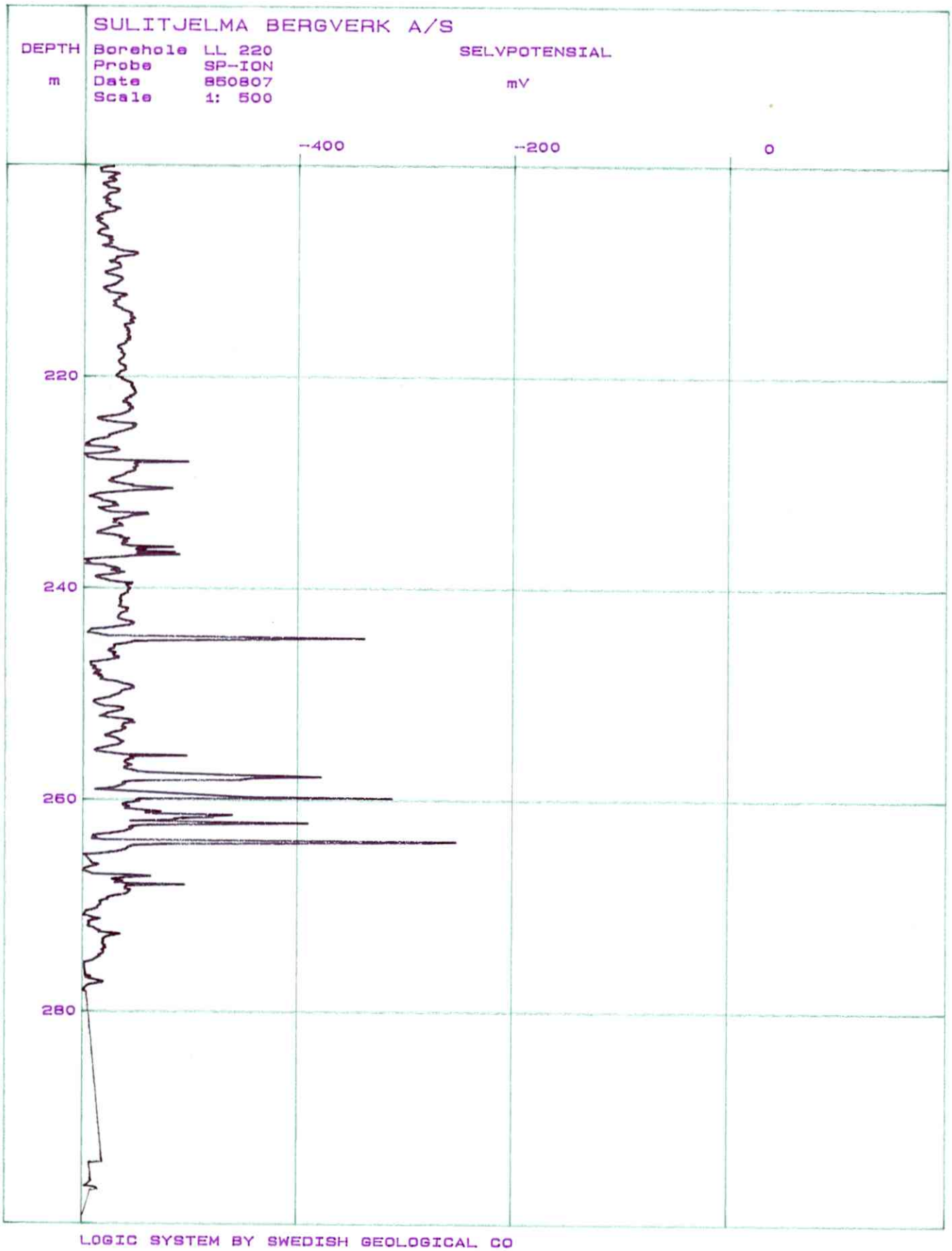
SELVPOTENSIAL
mV

-400 -200 0

120
140
160
180



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO


SULITJELMA BERGVERK A/S
DEPTH
m
Borehole LL 220
Probe SP-ION
Date 850807
Scale 1: 500
SELVPOTENSIAL
mV
-400
-200
0
220
240
260
280
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

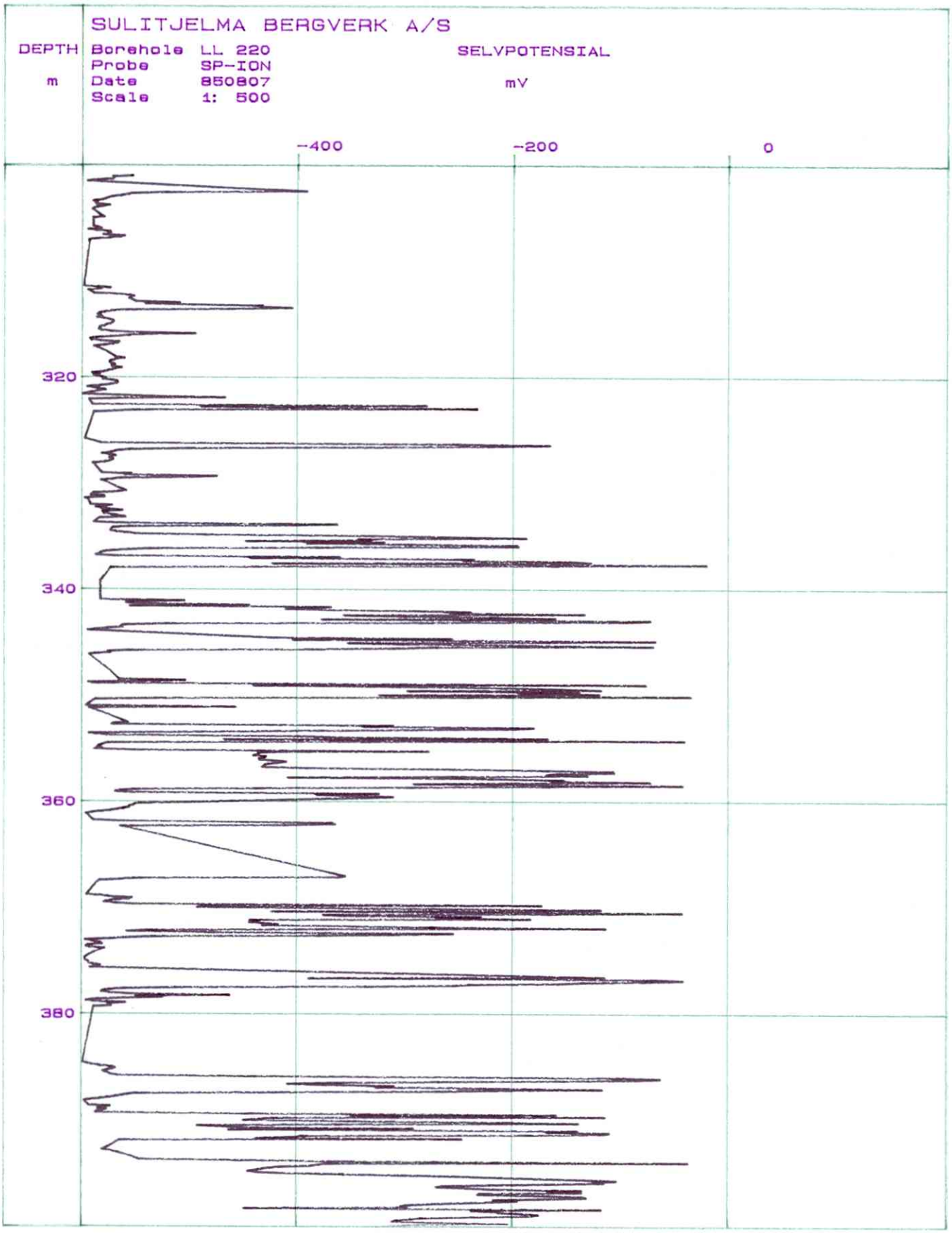
SULITJELMA BERGVERK A/S

DEPTH m

Borehole LL 220
Probe SP-ION
Date 850807
Scale 1: 500

SELVPOTENSIAL

mV



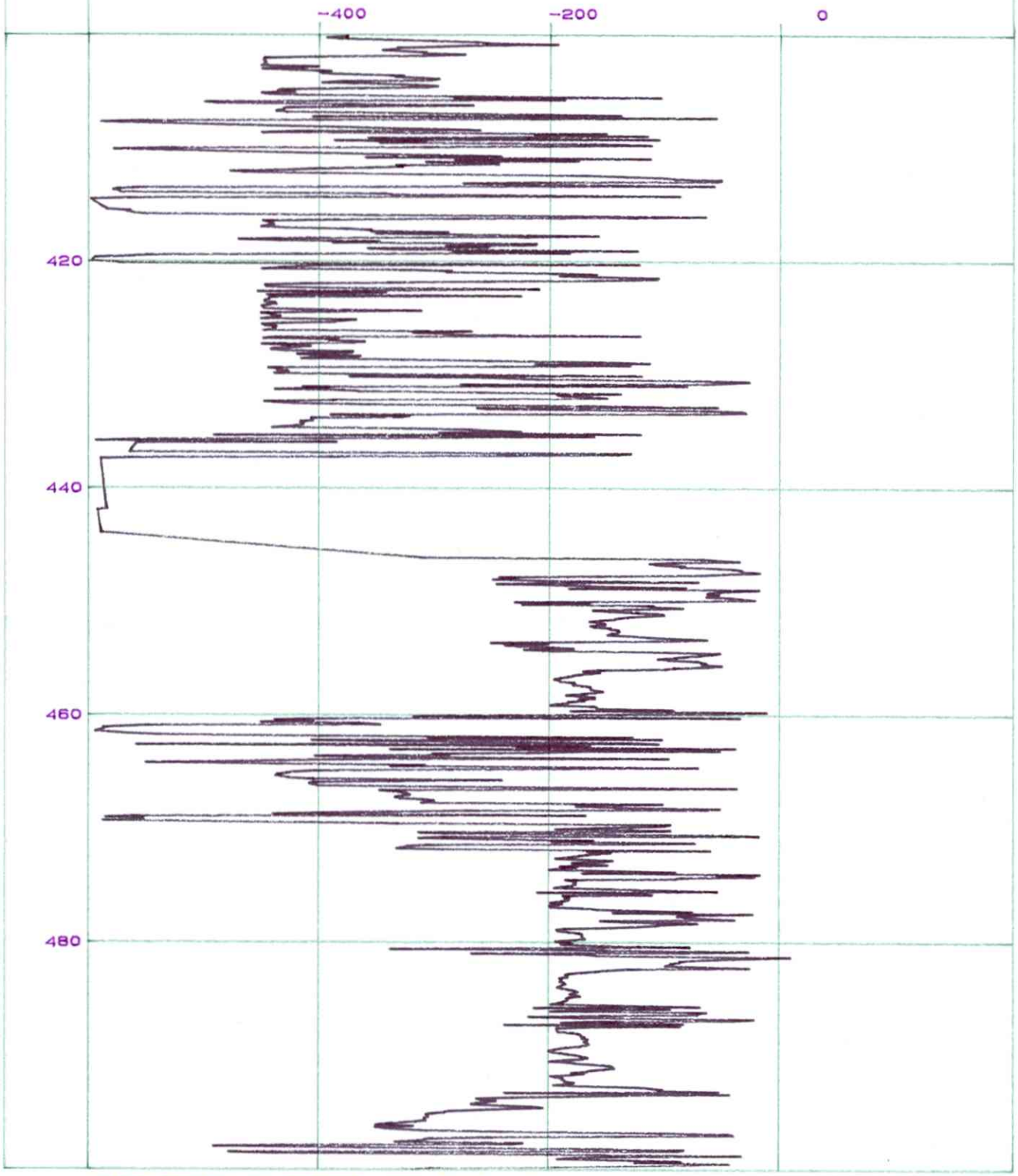
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe SP-ION
Date 850807
Scale 1: 500

SELVPOTENSIAL
mV



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

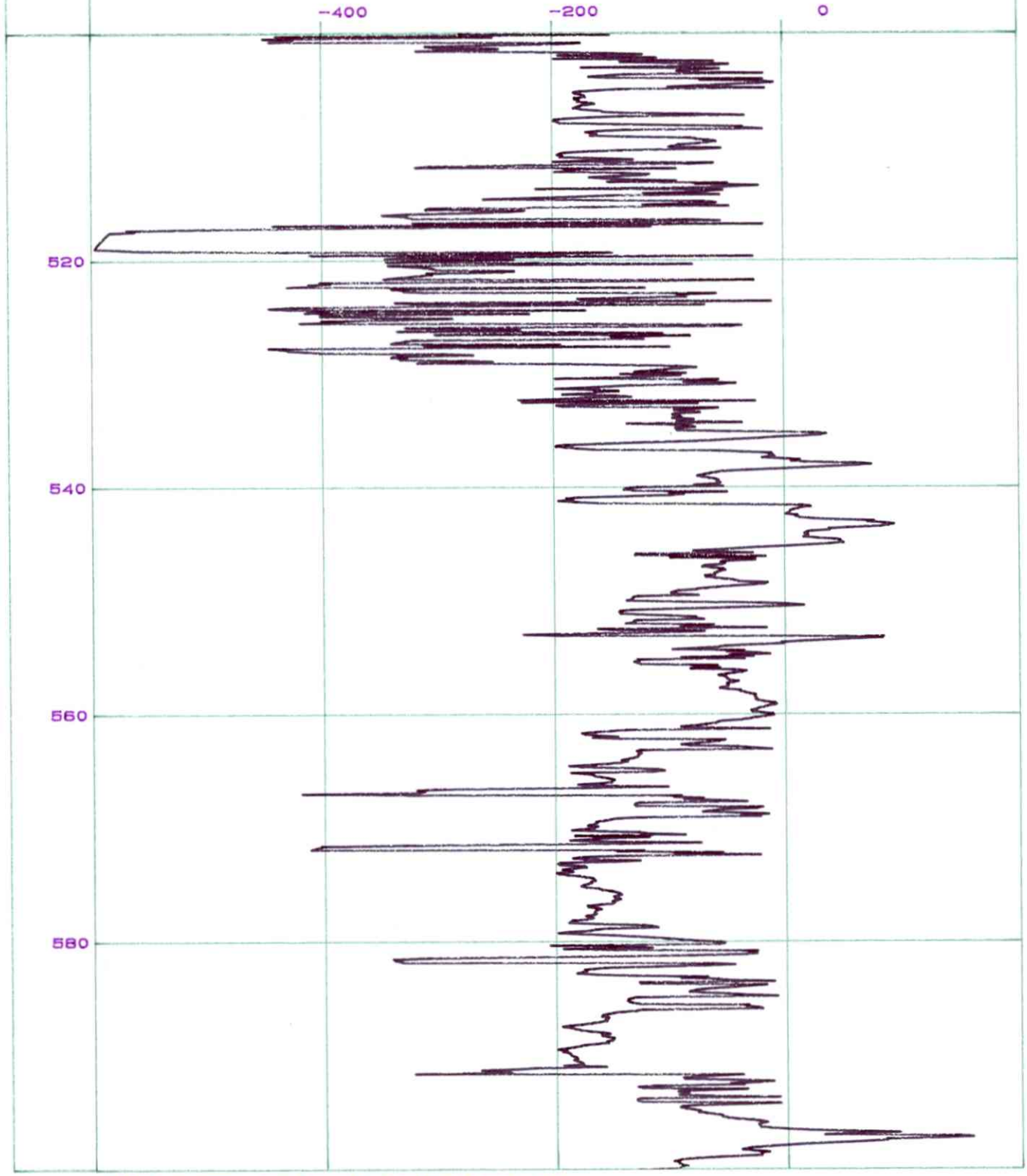
SULITJELMA BERGVERK A/S

DEPTH m

Borehole LL 220
Probe SP-ION
Date 850807
Scale 1: 500

SELVPOTENSIAL

mV



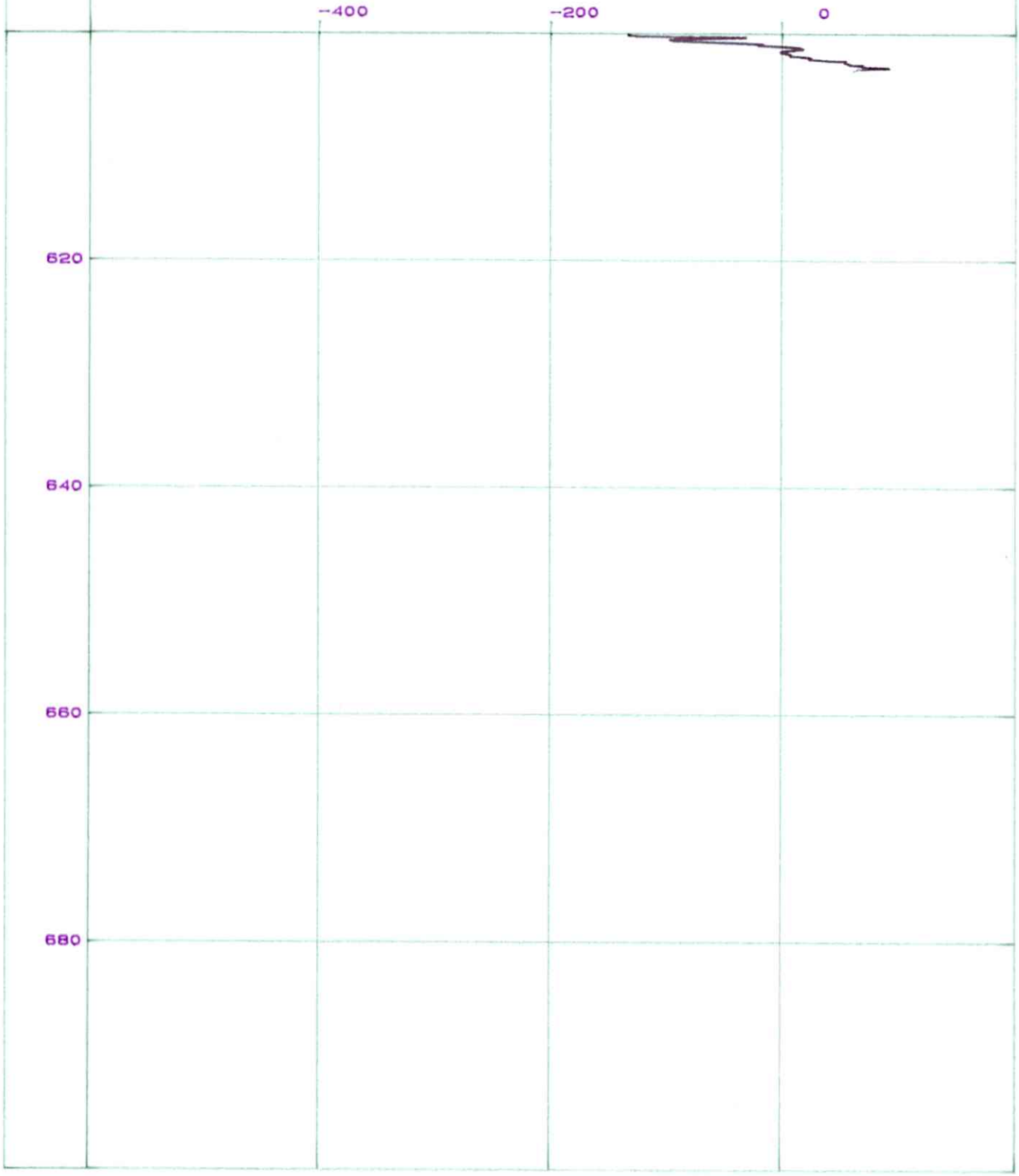
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe SP-ION
Date 850807
Scale 1: 500

SELVPOTENSIAL
mV



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

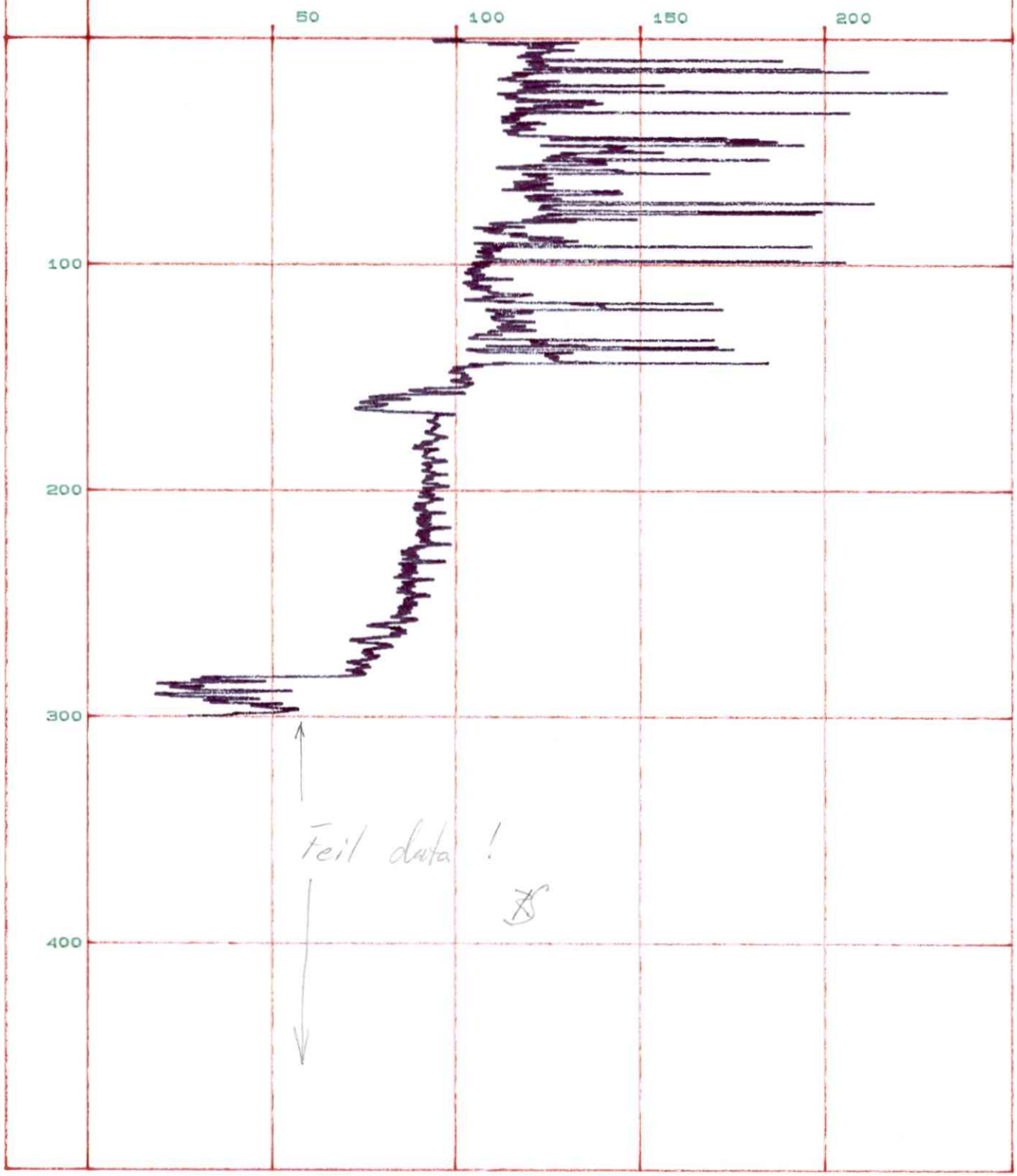
SULITJELMA BERGVERK A/S

DEPTH m

Borehole LL 220
Probe GAMSPR1m
Date 850807
Scale 1: 2500

PUNKTMOTSTAND

Ohm



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

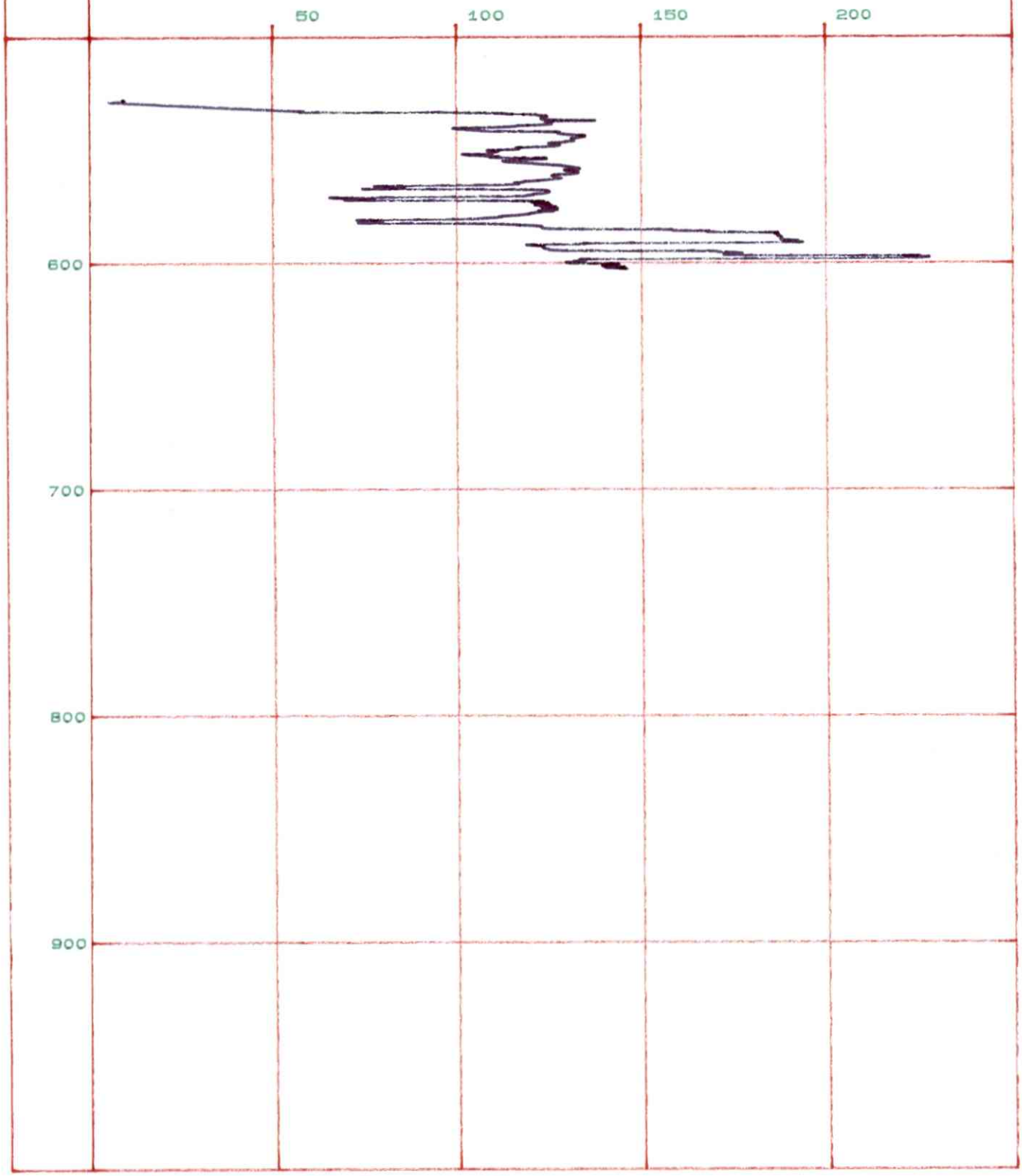
SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe GAMSPR1m
Date 850807
Scale 1: 2500

PUNKTMOTSTAND

Ohm



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

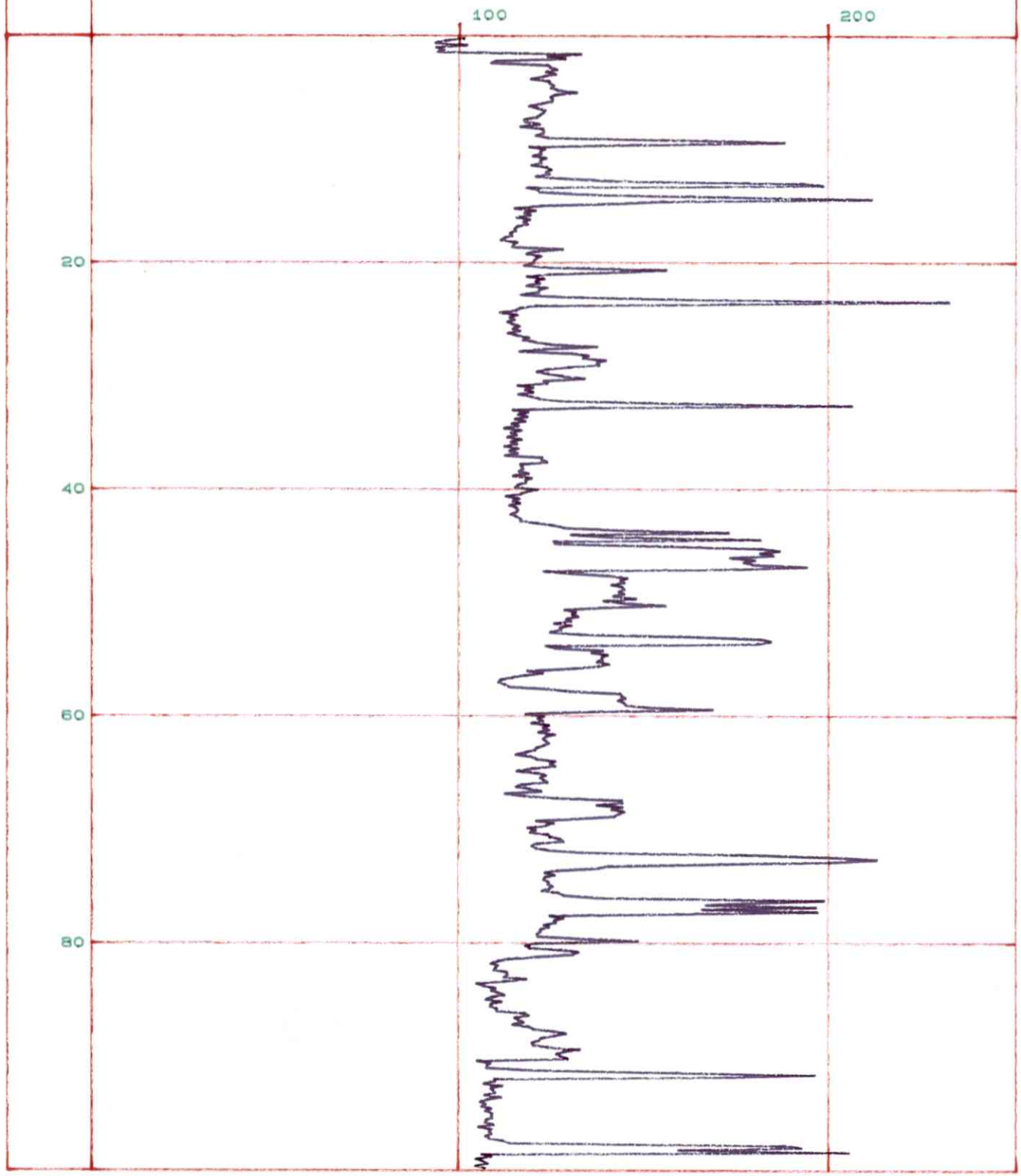
SULITJELMA BERGVERK A/S

DEPTH m

Borehole LL 220
Probe GAMSPR1m
Date 850807
Scale 1: 500

PUNKTMOTSTAND

Ohm



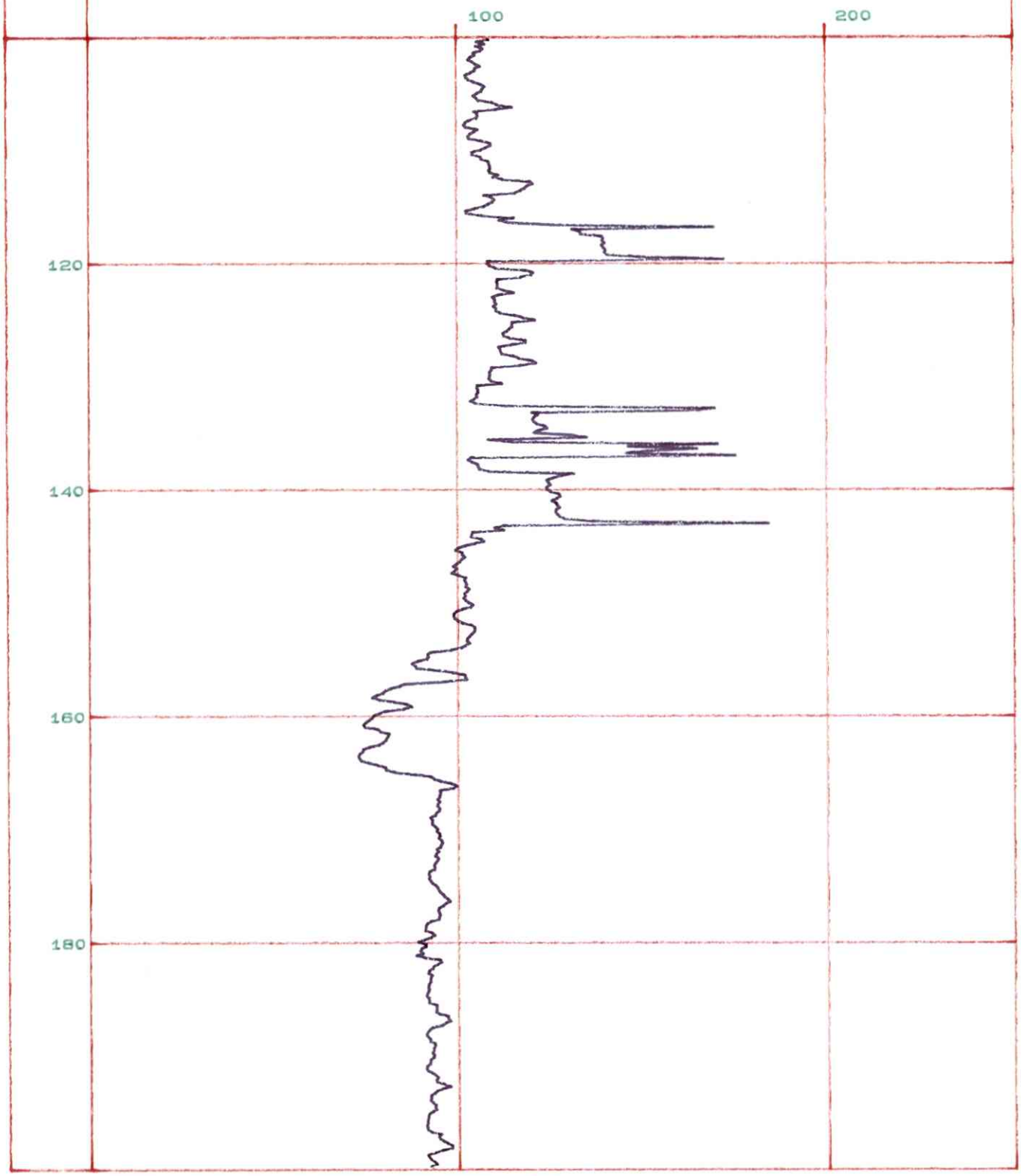
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe GAMSPR1m
Date 850807
Scale 1: 500

PUNKTMOTSTAND
Ohm



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

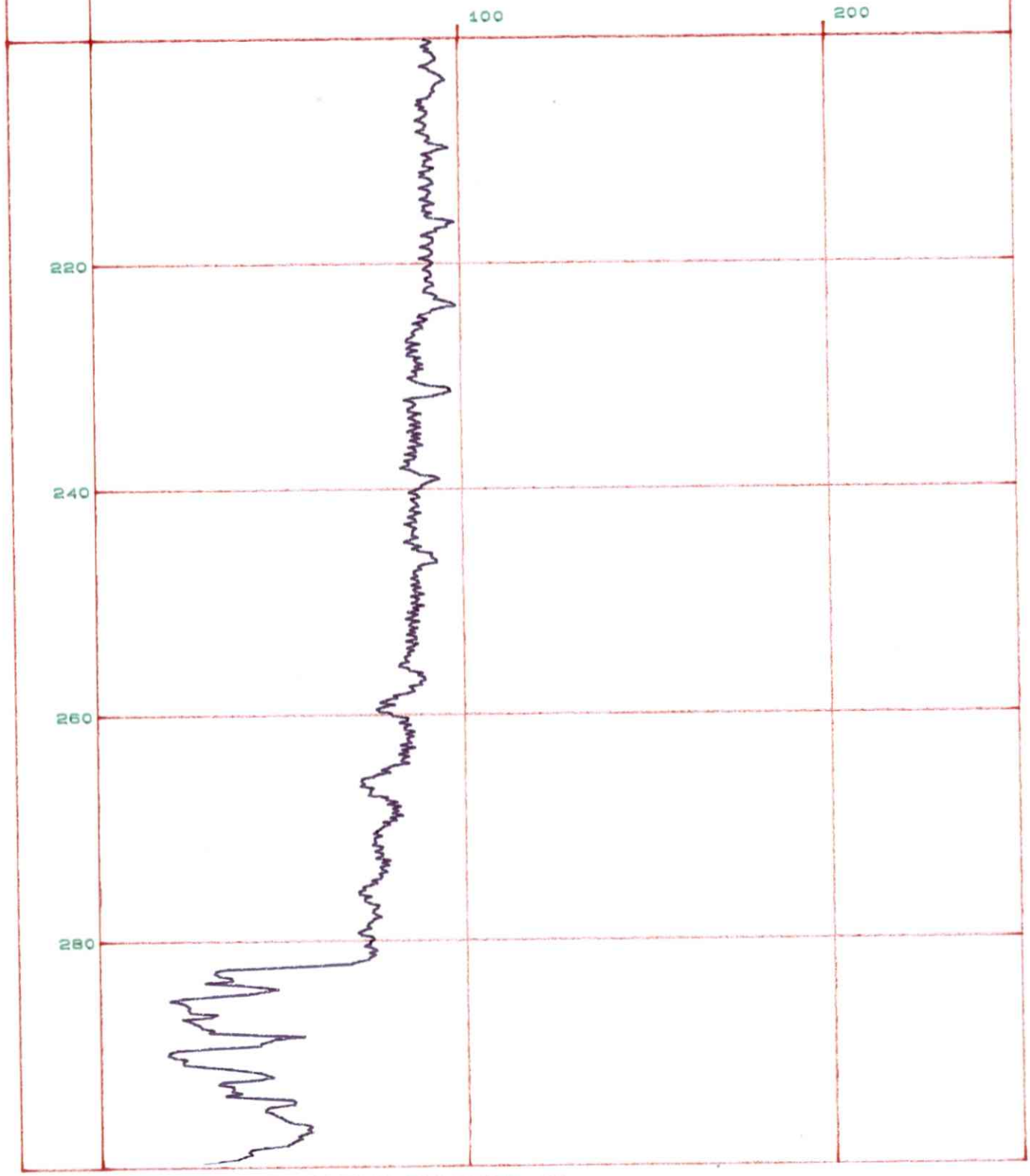
SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe GAMSPR1m
Date 850807
Scale 1: 500

PUNKTMOTSTAND

Ohm



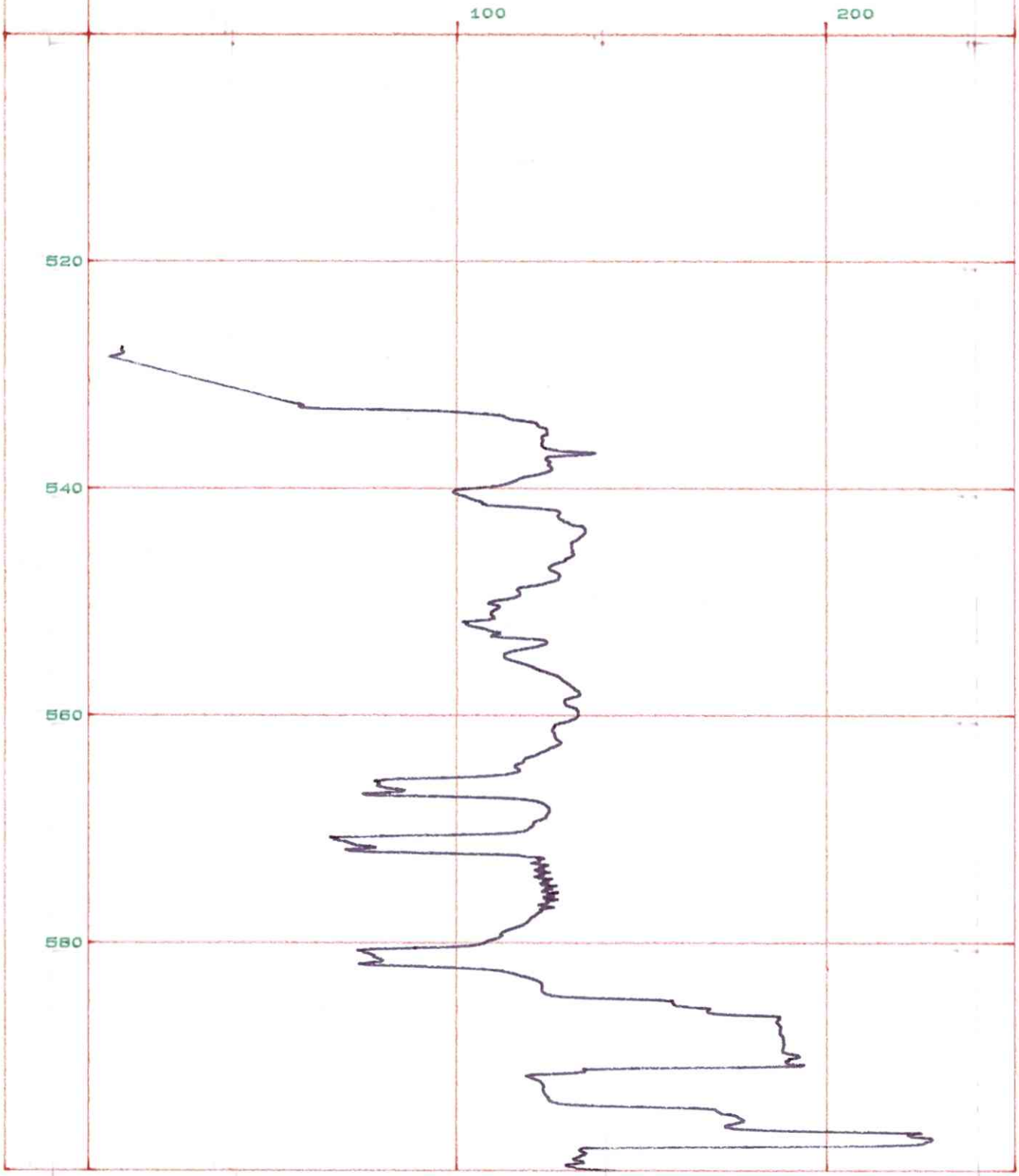
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe GAMSPR1m
Date 850807
Scale 1: 500

PUNKTMOTSTAND
Ohm



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Profile SAMSPRAM
Date 850807
Scale 1: 500

PUNKTMOTSTAND
Ohm

100
200

320
340
360
380

LOGGING SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe GAMSPR1m
Date 850807
Scale 1: 500

PUNKTMOTSTAND
Ohm

100 200

620

640

660

680

LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

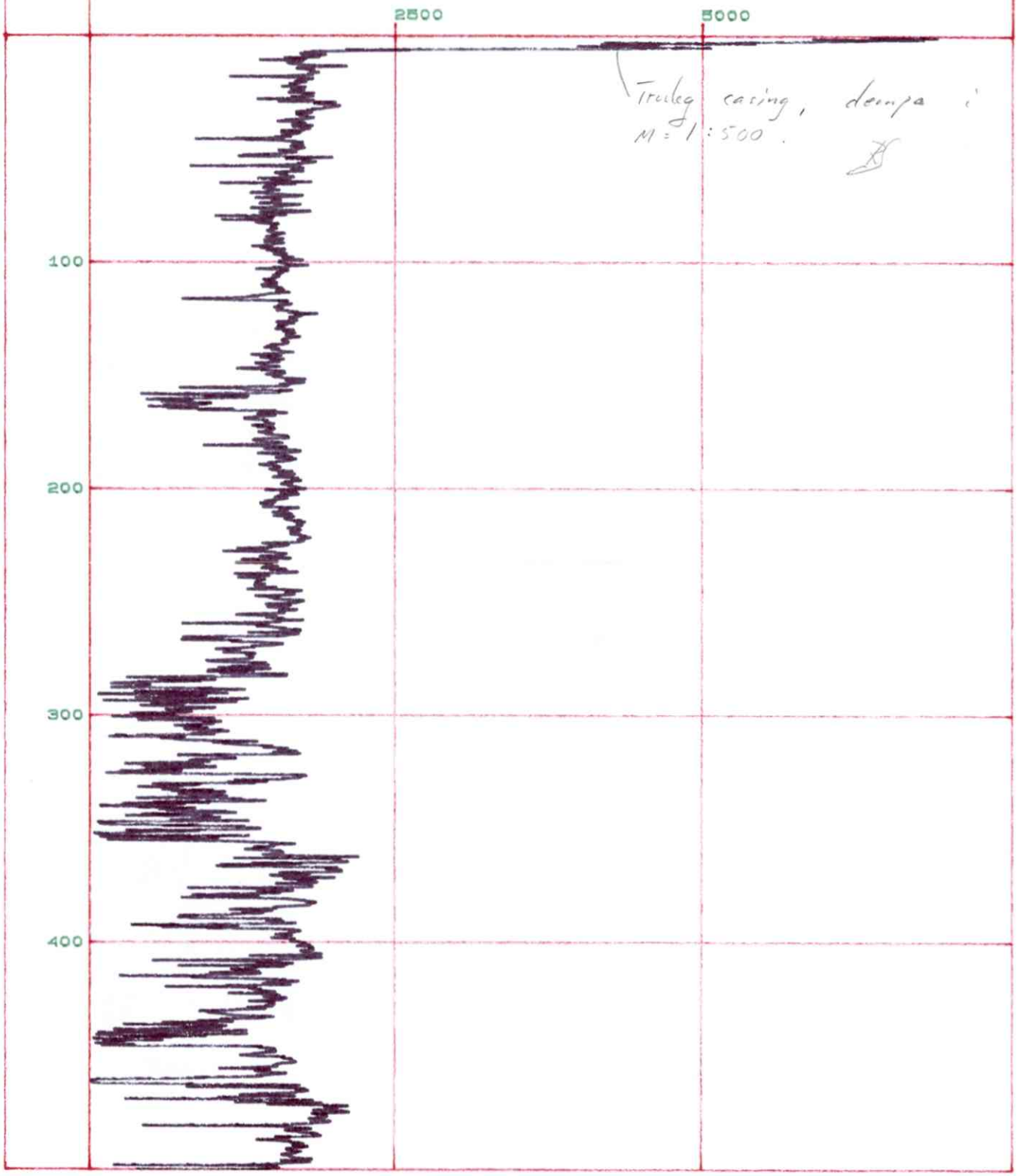
SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe SPR5cm
Date 850807
Scale 1: 2500

PUNKTMOTSTAND

Ohm



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe SPR5cm
Date 850807
Scale 1: 2500

PUNKTMOTSTAND
Ohm

2500
5000

600
700
800
900

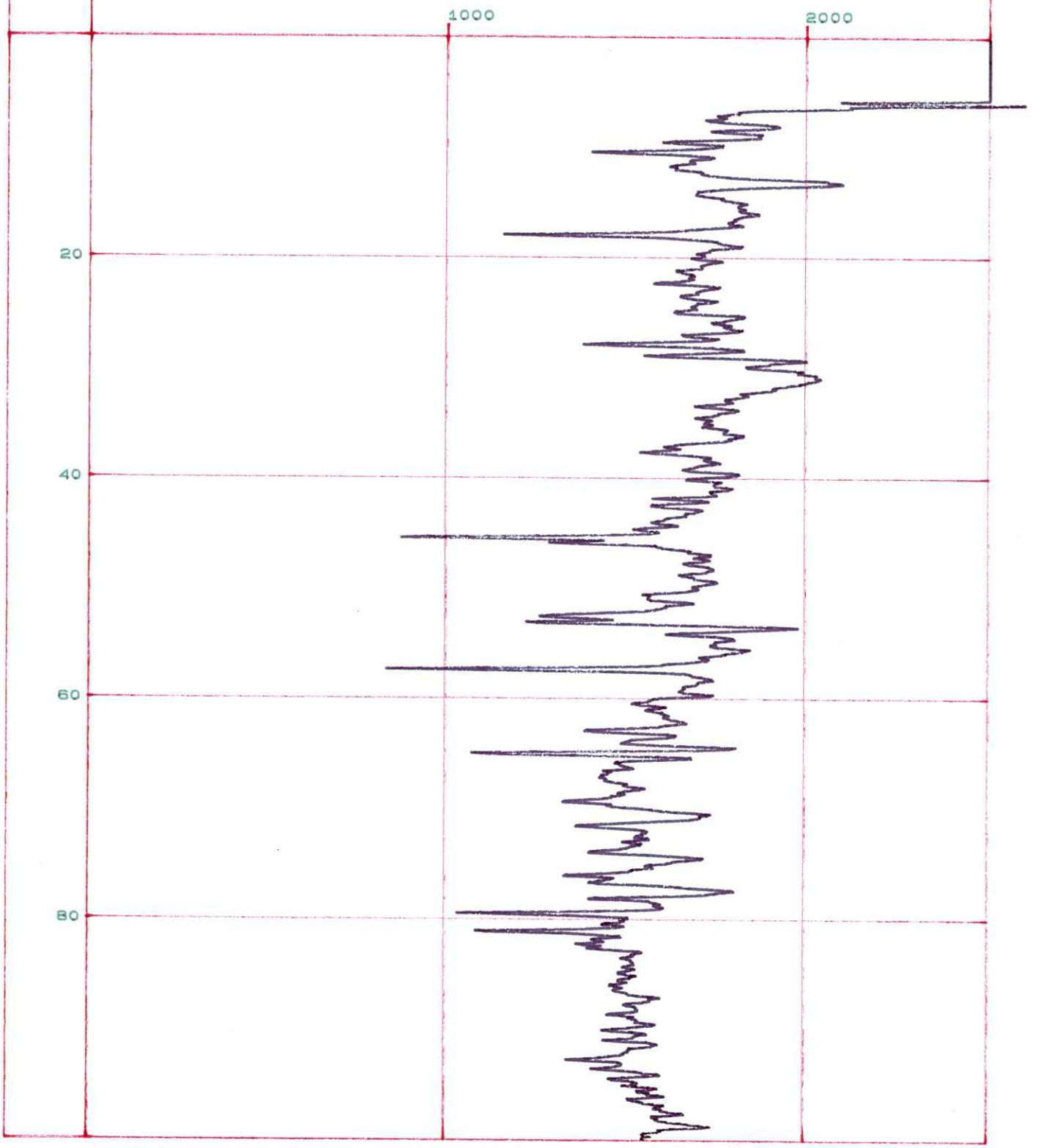
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe SPR5cm
Date 850807
Scale 1: 500

PUNKTMOTSTAND
Ohm



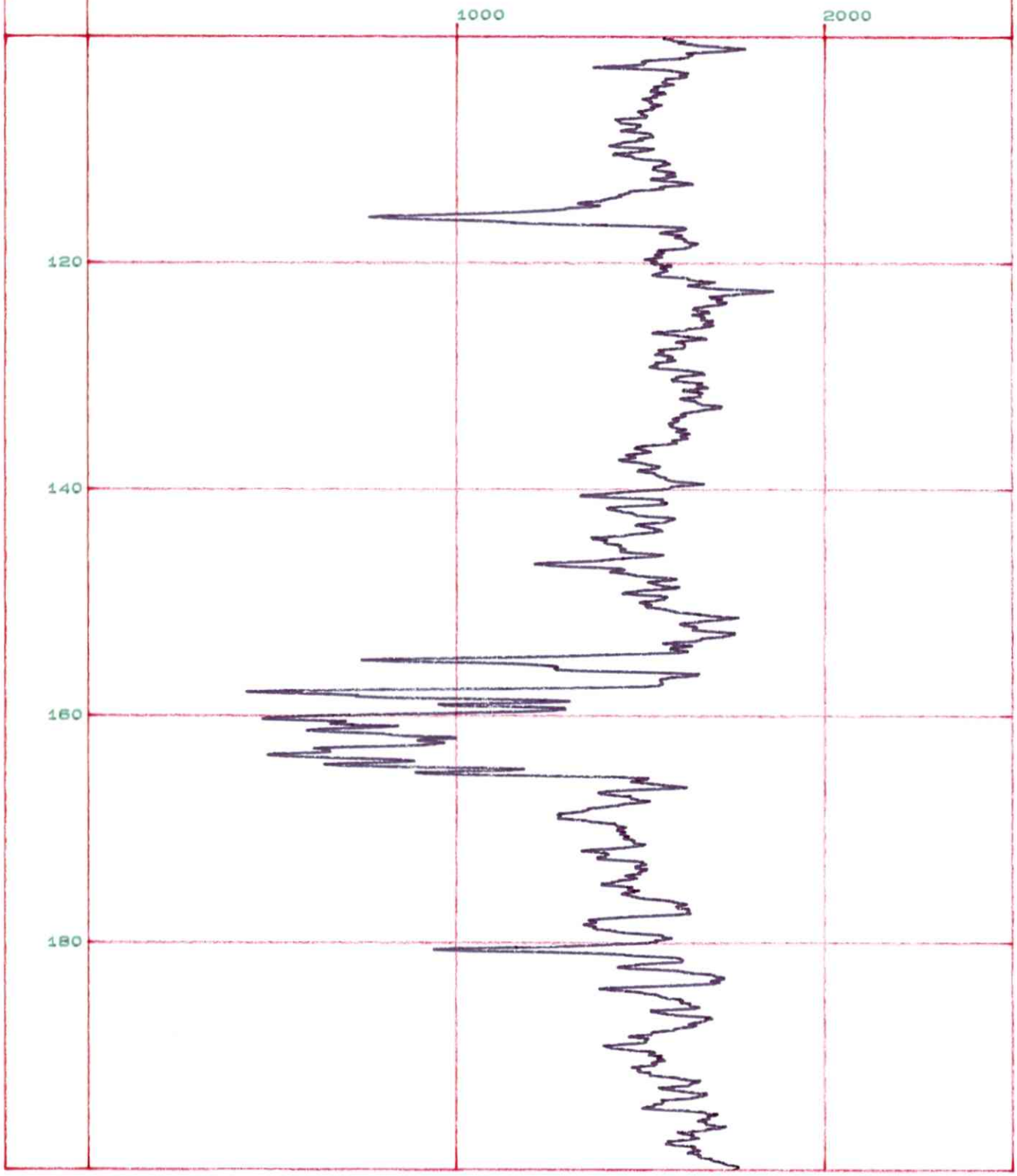
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe SPR5cm
Date 850807
Scale 1: 500

PUNKTMOTSTAND
Ohm



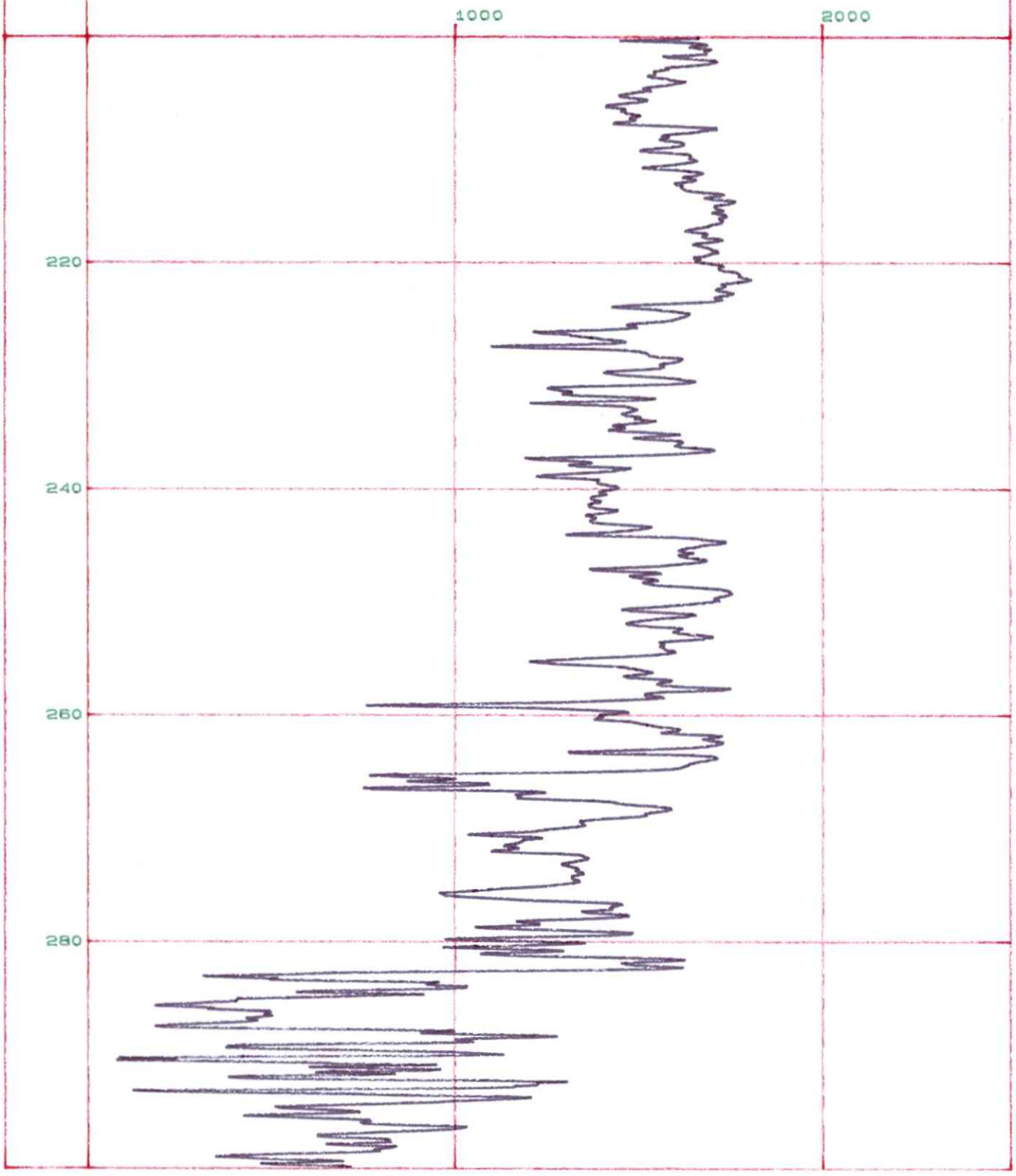
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe SPR5cm
Date 850807
Scale 1: 500

PUNKTMOTSTAND
Ohm



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

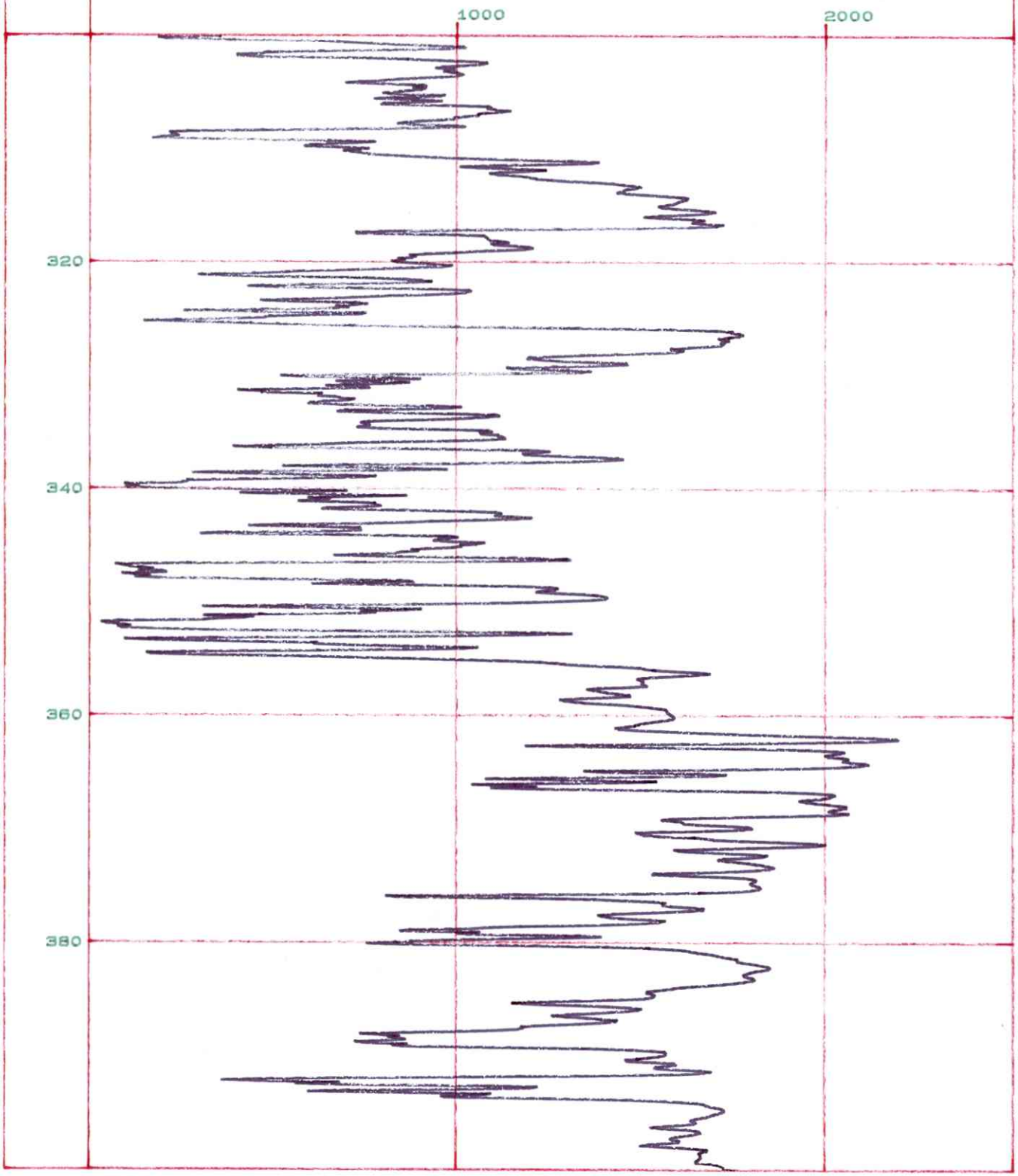
SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe SPR5cm
Date 850807
Scale 1: 500

PUNKTMOTSTAND

Ohm



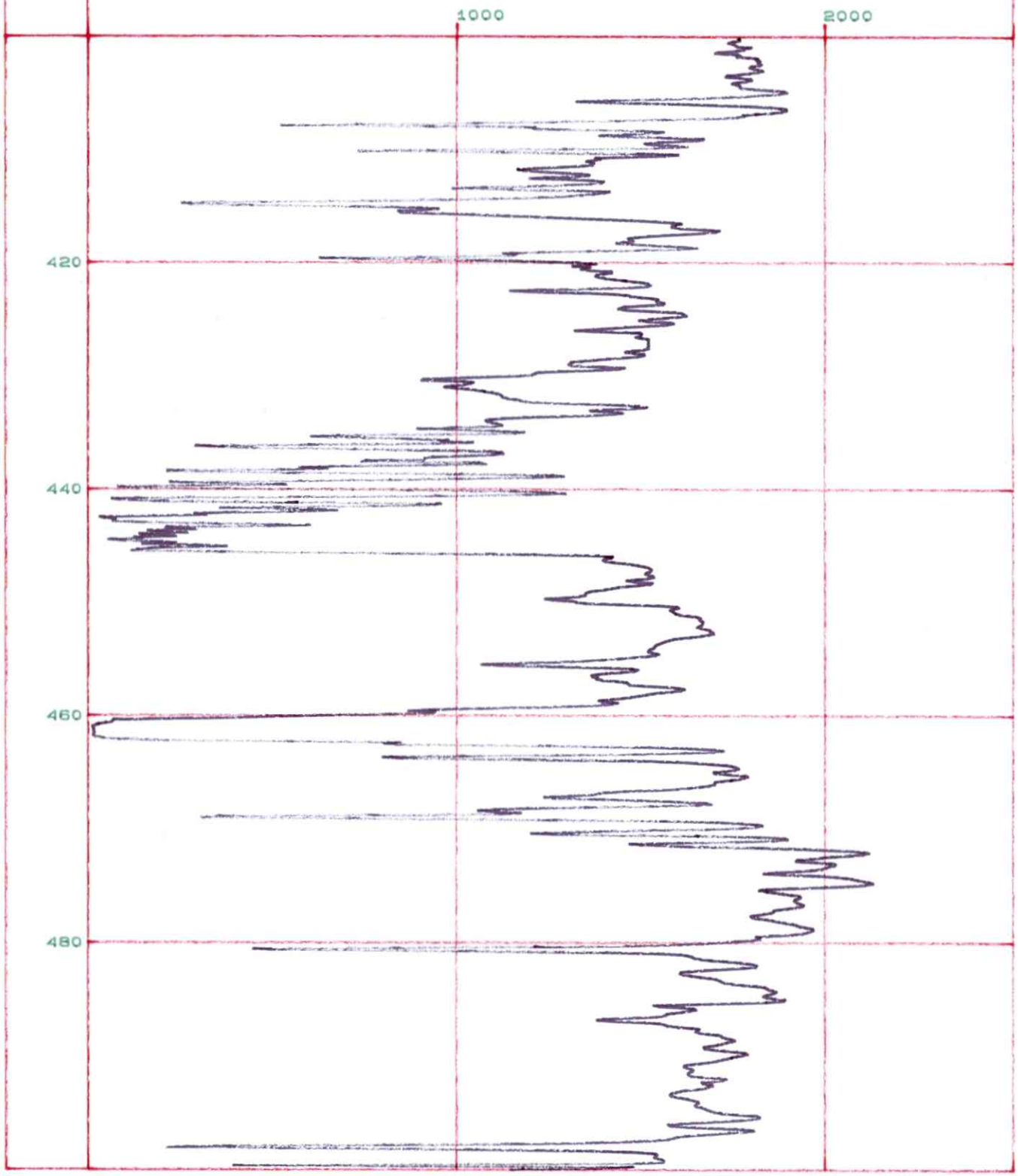
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe SPR5cm
Date 850807
Scale 1: 500

PUNKTMOTSTAND
Ohm



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

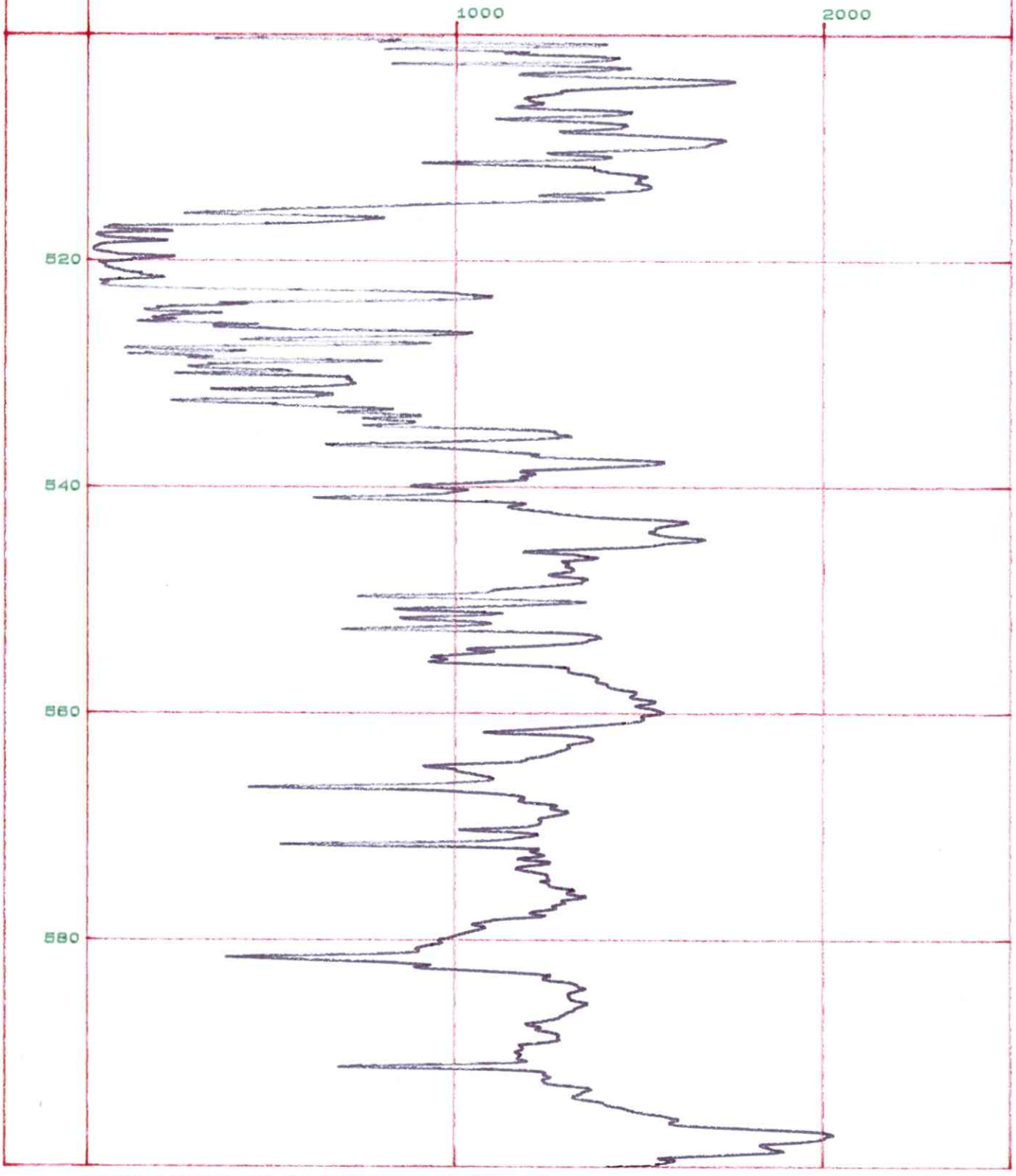
SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe SPR5cm
Date 850807
Scale 1: 500

PUNKTMOTSTAND

Ohm



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe SPR5cm
Date 850507
Scale 1: 500

PUNKTMOTSTAND

Ohm

1000

2000

620

640

660

680

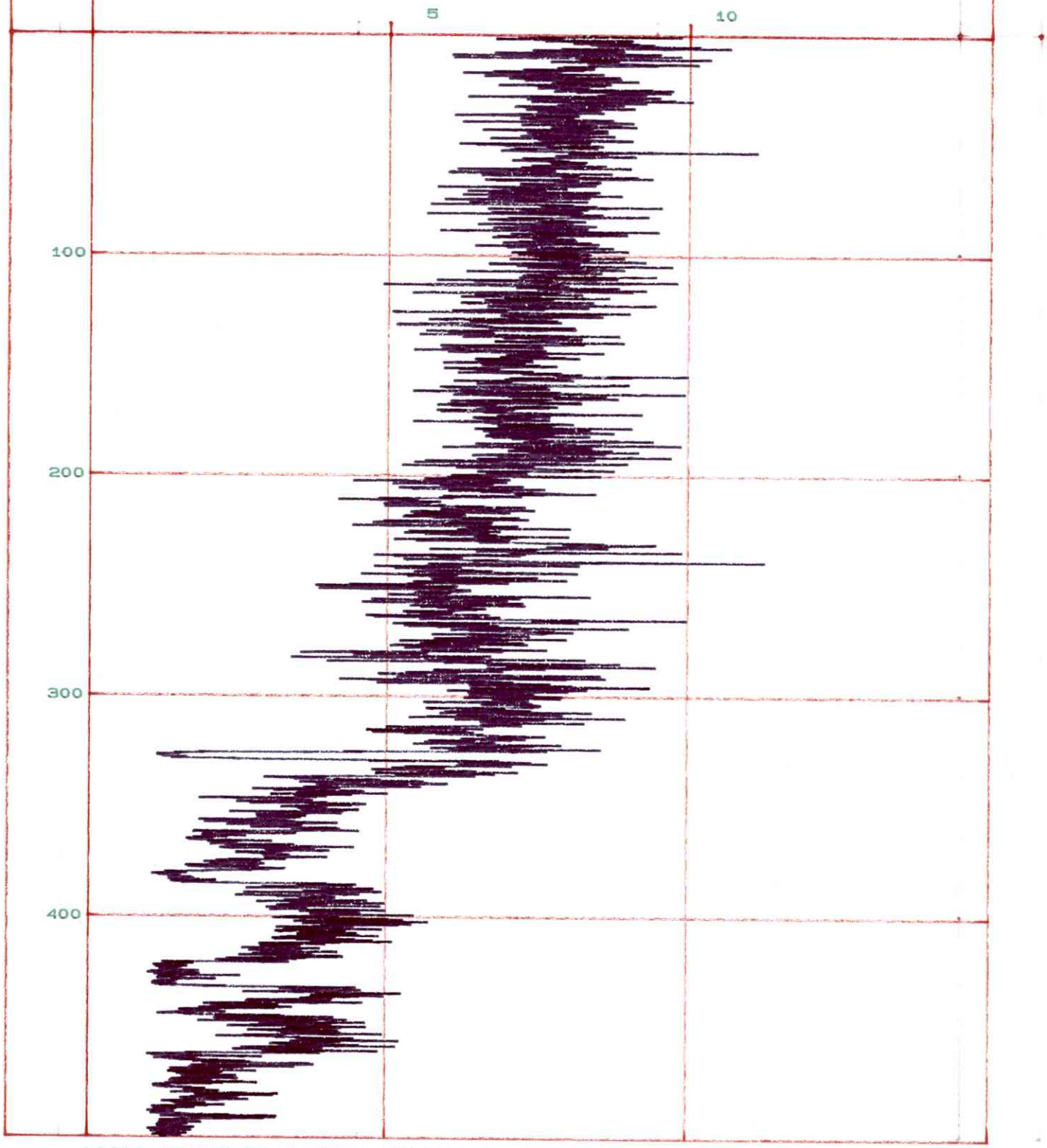
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe GAMSPR1m
Date 850807
Scale 1: 2500

GAMMASTRLING
c/s



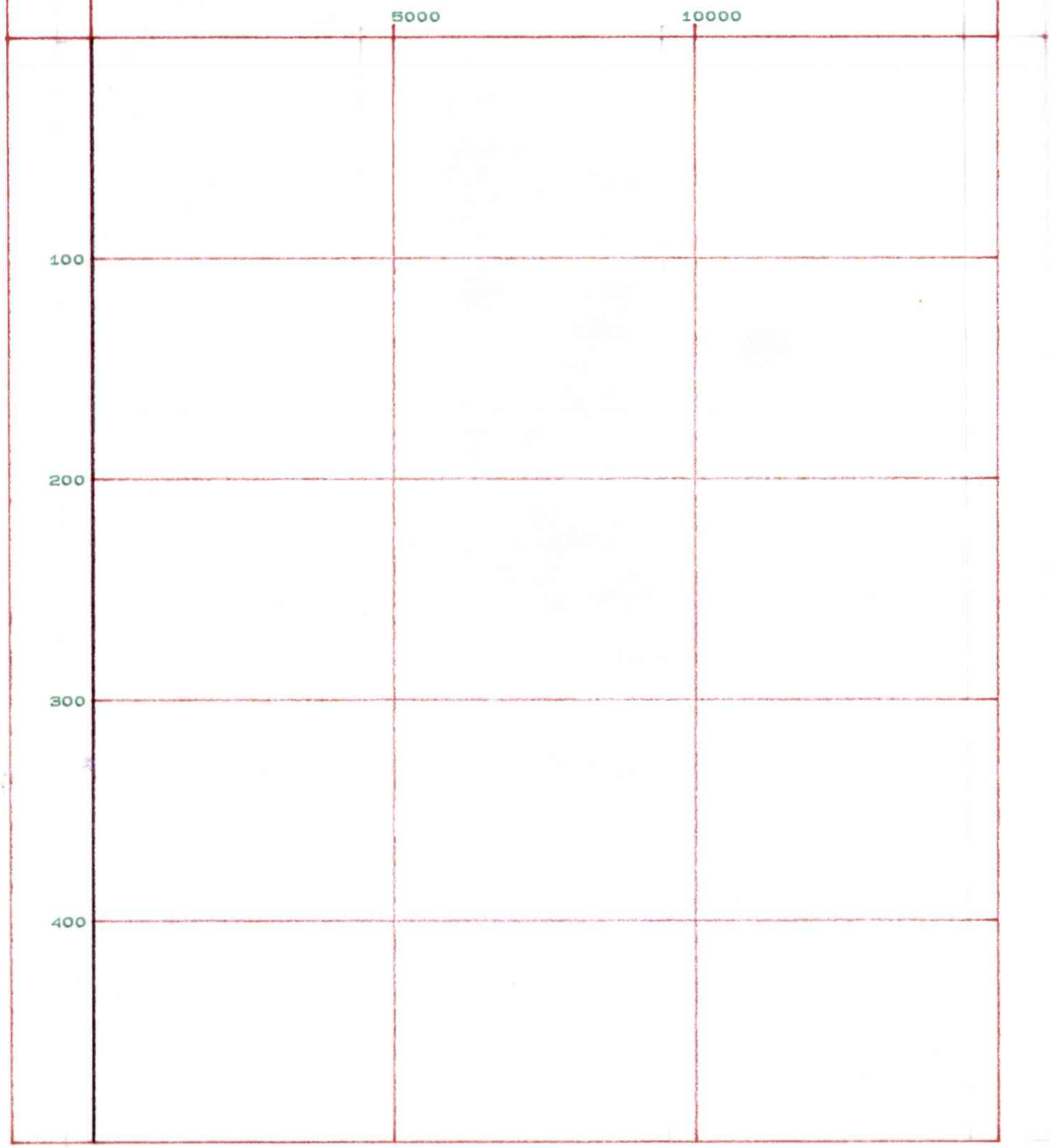
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe GAMSPR1m
Data 850807
Scale 1:2500

GAMMASTRLING
c/s



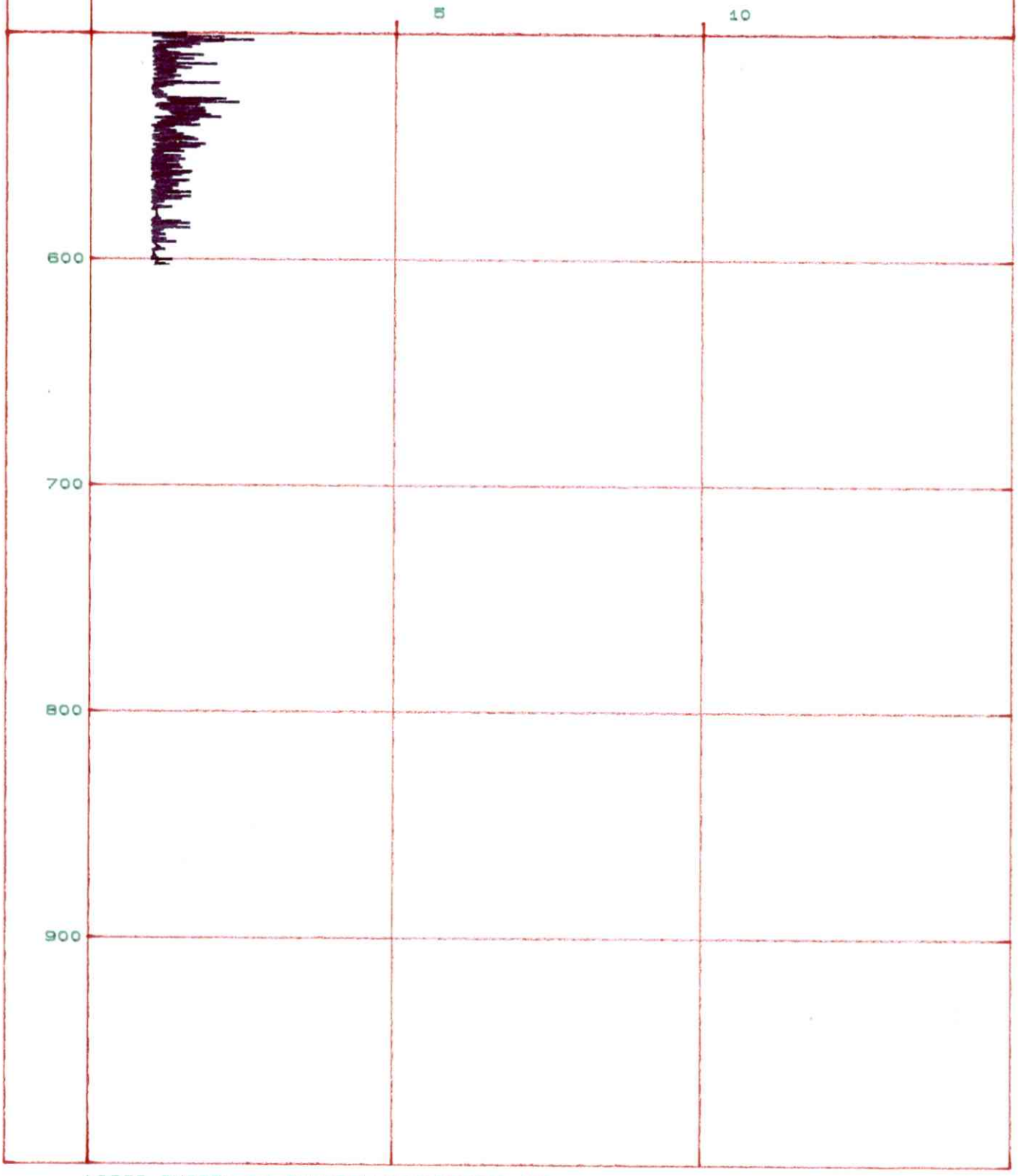
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe GAMSPR1m
Date 850807
Scale 1: 2500

GAMMASTRLING
c/s



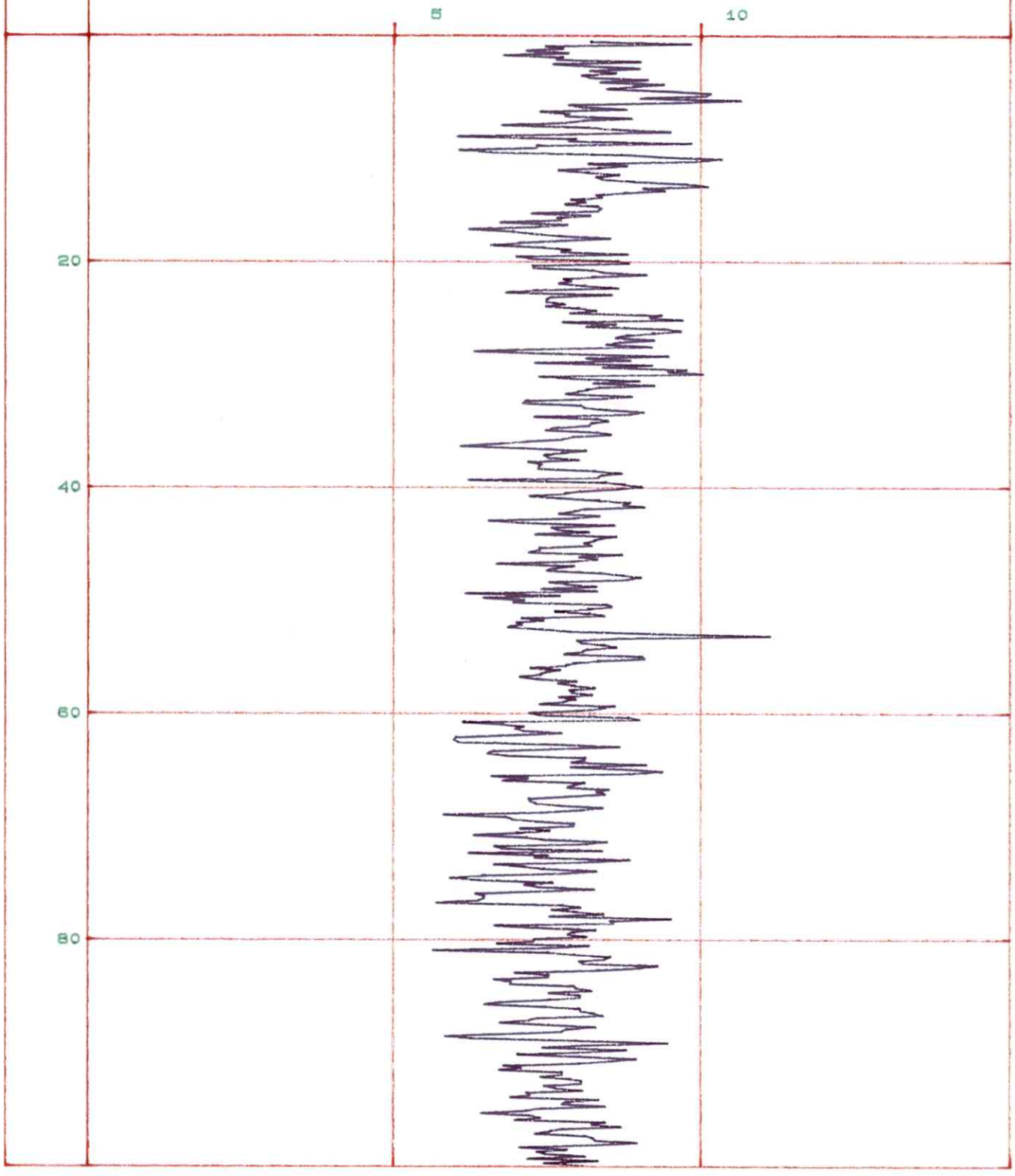
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe GAMSPR1m
Date 850807
Scale 1: 500

GAMMASTRLING
c/s



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

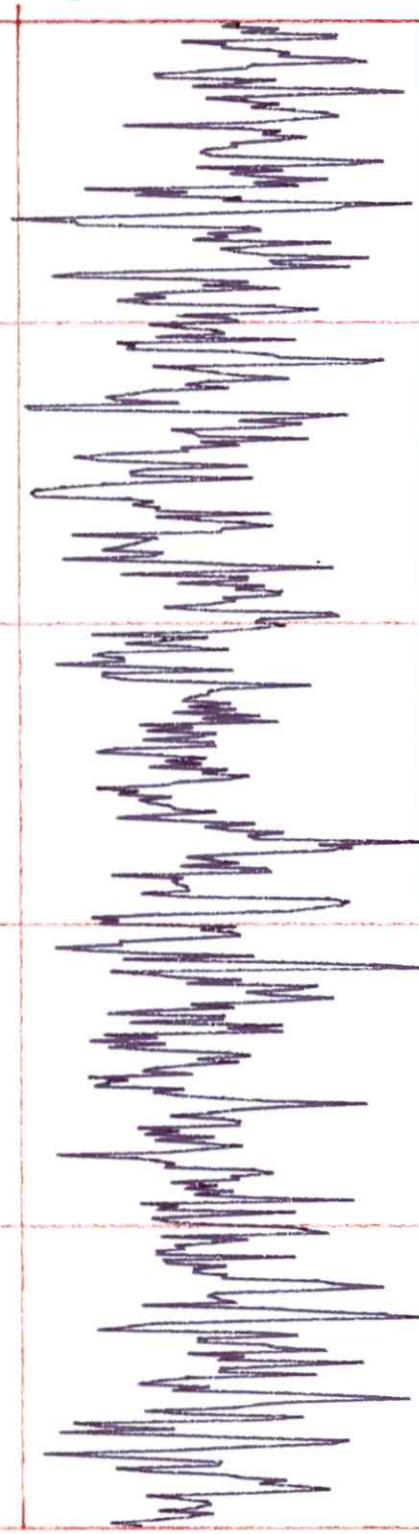
DEPTH
m

Borehole LL 220
Probe GAMSPR1m
Date 850807
Scale 1: 500

GAMMASTRLING
c/s

5 10

120
140
160
180



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

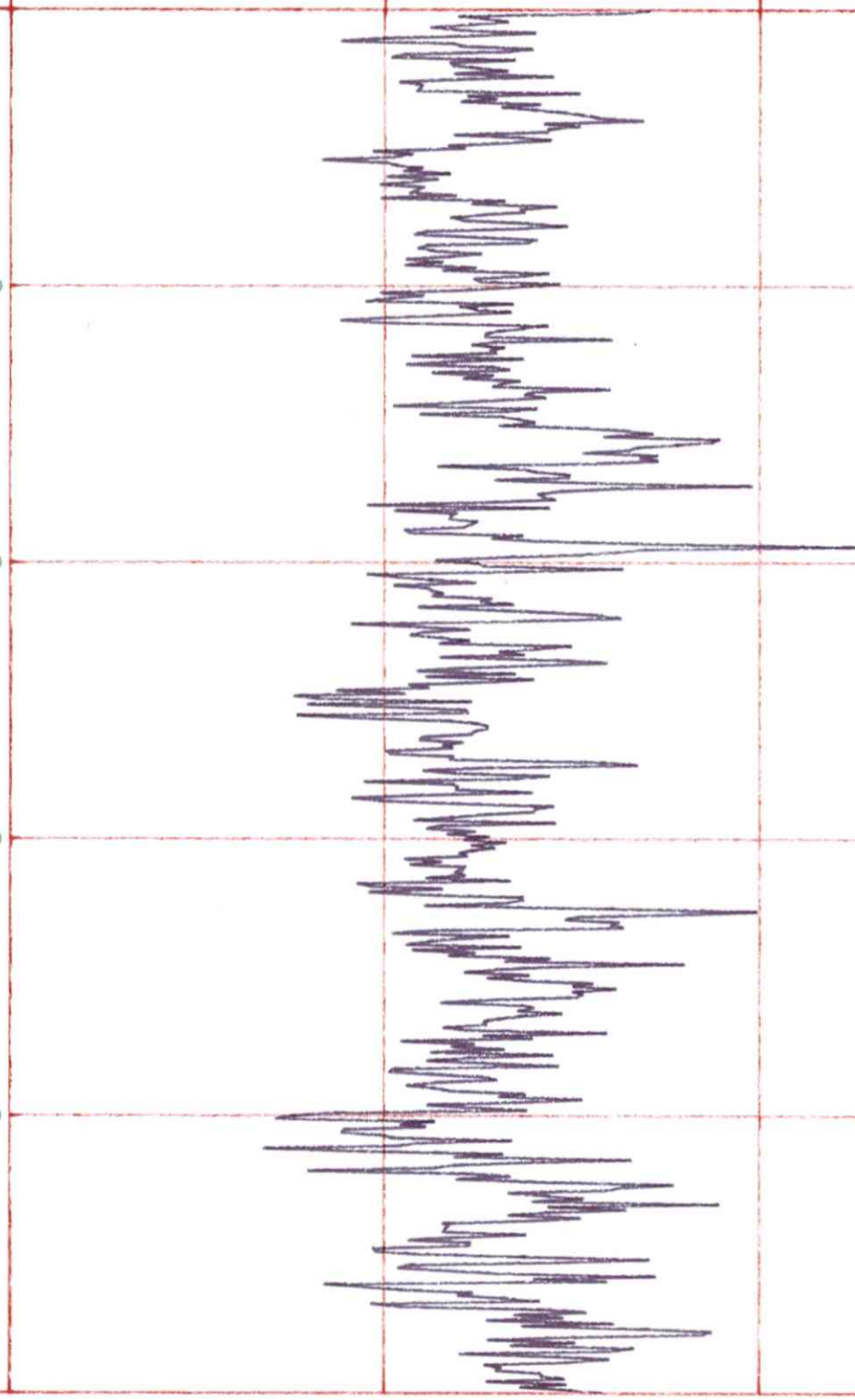
DEPTH m

Borehole LL 220
Probe GAMSPR1m
Date 850807
Scale 1: 500

GAMMASTRLING
c/s

5 10

220
240
260
280



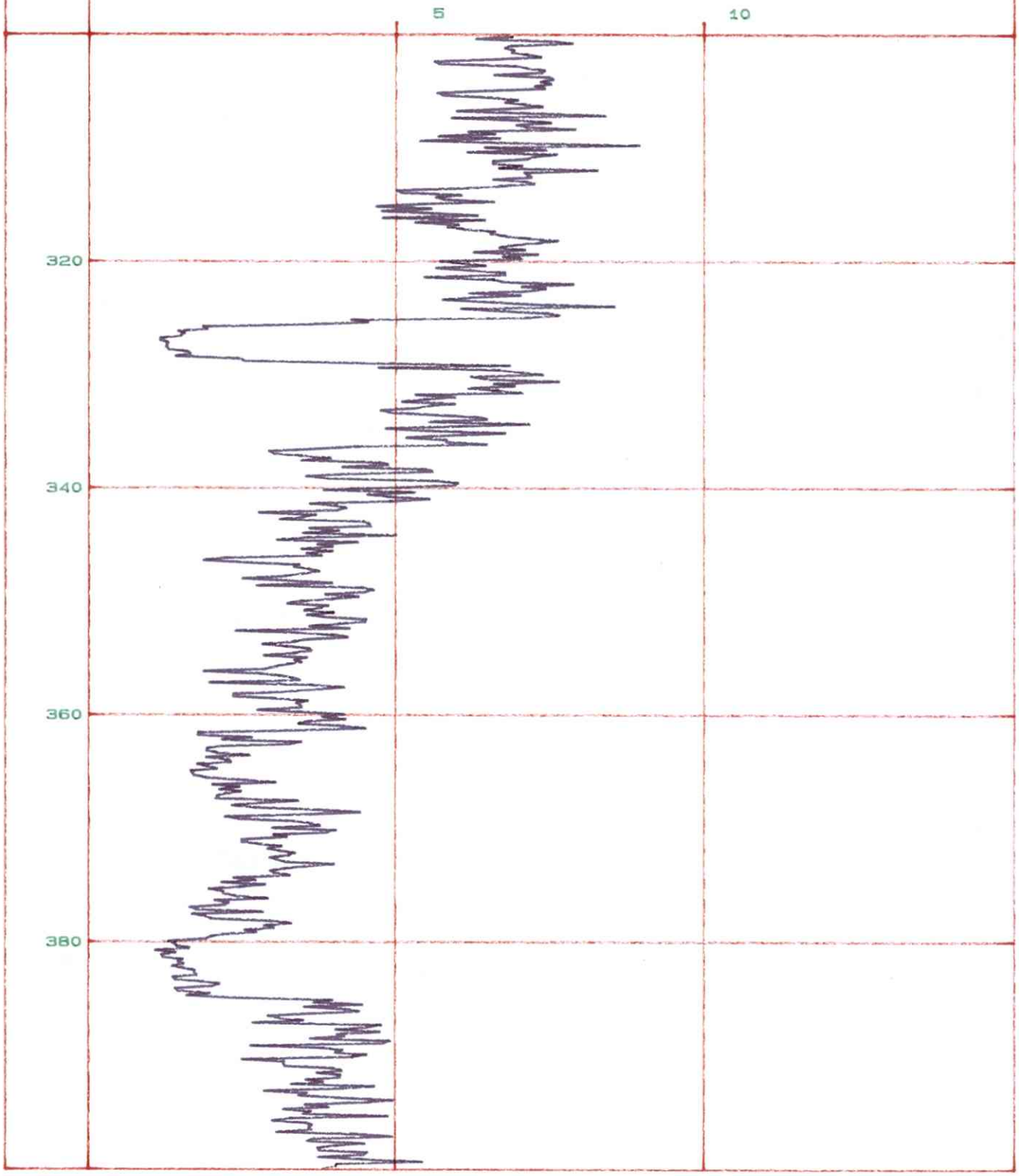
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe GAMSPR1m
Date 850807
Scale 1: 500

GAMMASTRLING
c/s



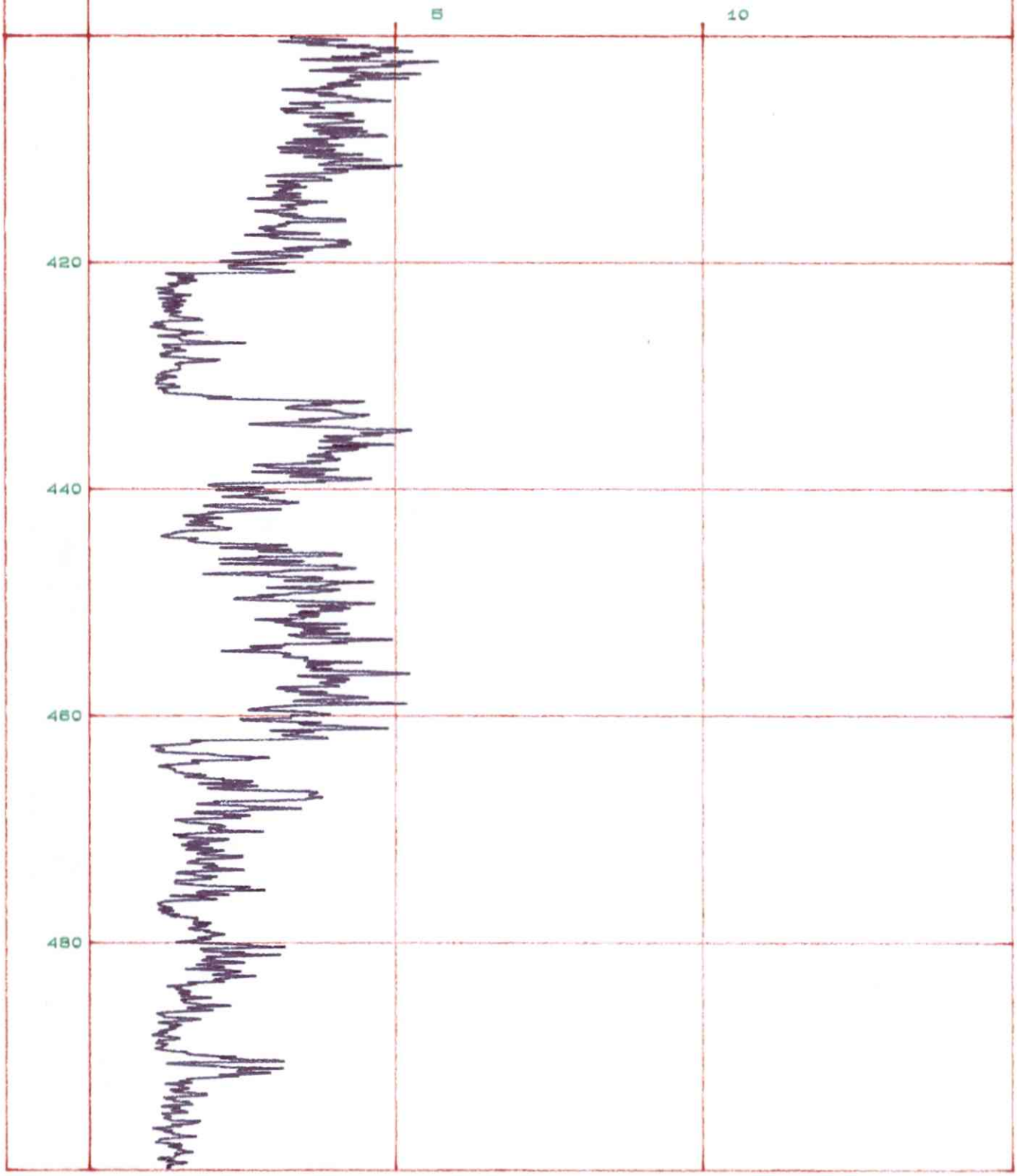
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH m

Borehole LL 220
Probe GAMSPR1m
Date 850807
Scale 1: 500

GAMMASTRLING
c/s



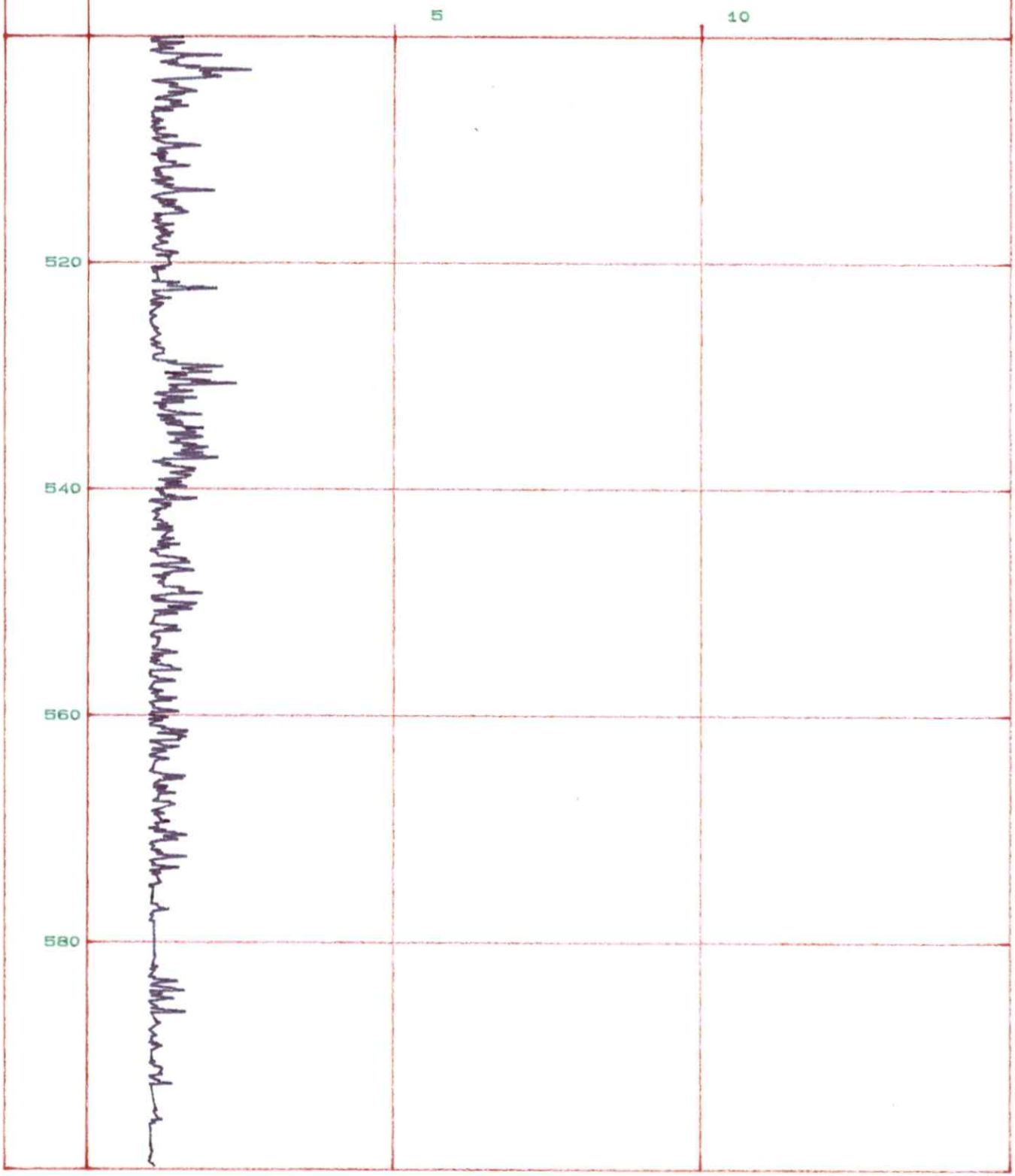
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe GAMSPR1m
Date 850807
Scale 1: 500

GAMMASTRLING
c/s



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH m

Borehole LL 220
Probe GAMSPR1m
Date 850807
Scale 1: 500

GAMMASTRLING

c/s

5

10

620

640

660

680

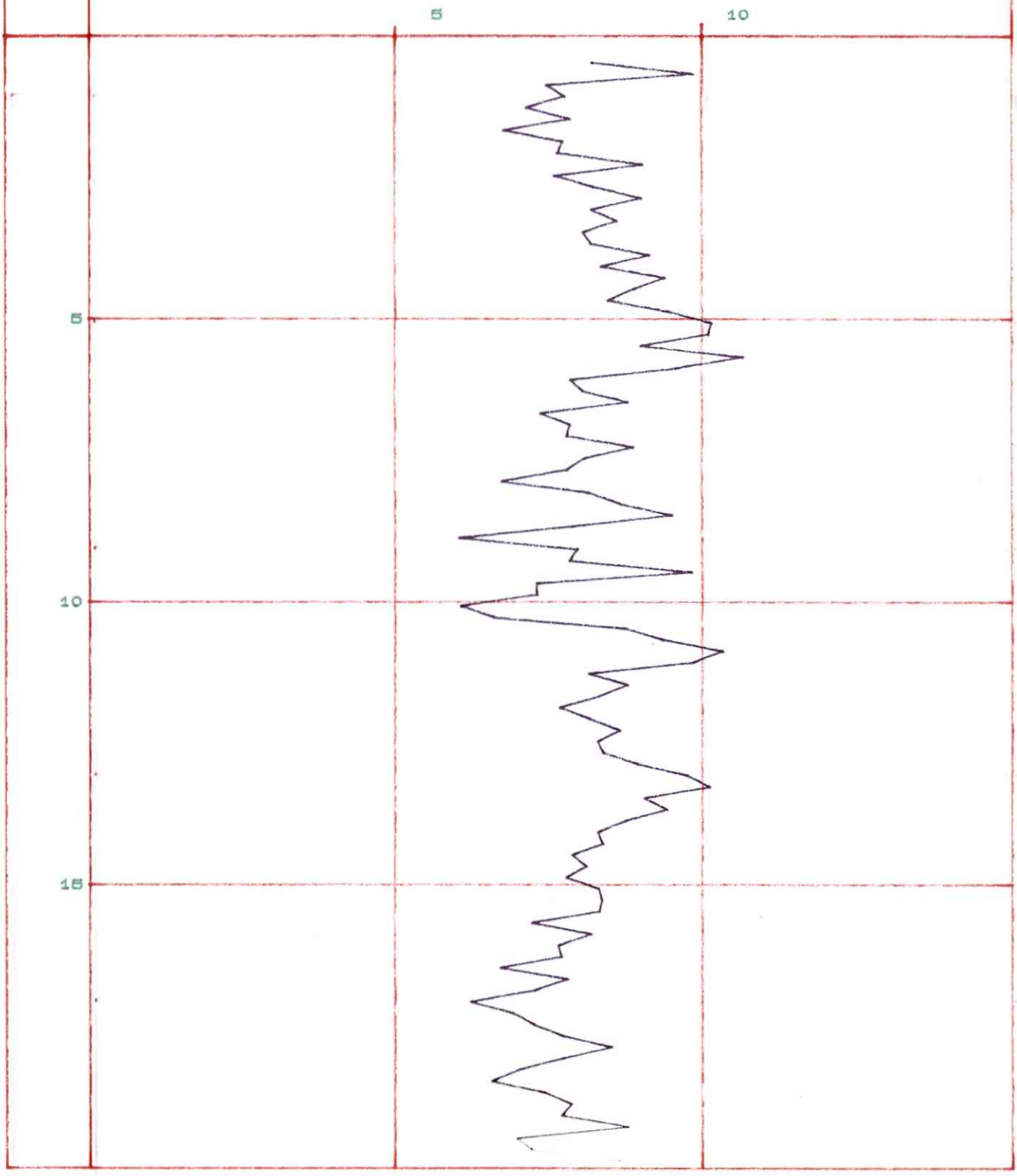
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe GAMSPR1m
Date 850807
Scale 1: 100

GAMMASTRLING
c/s



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

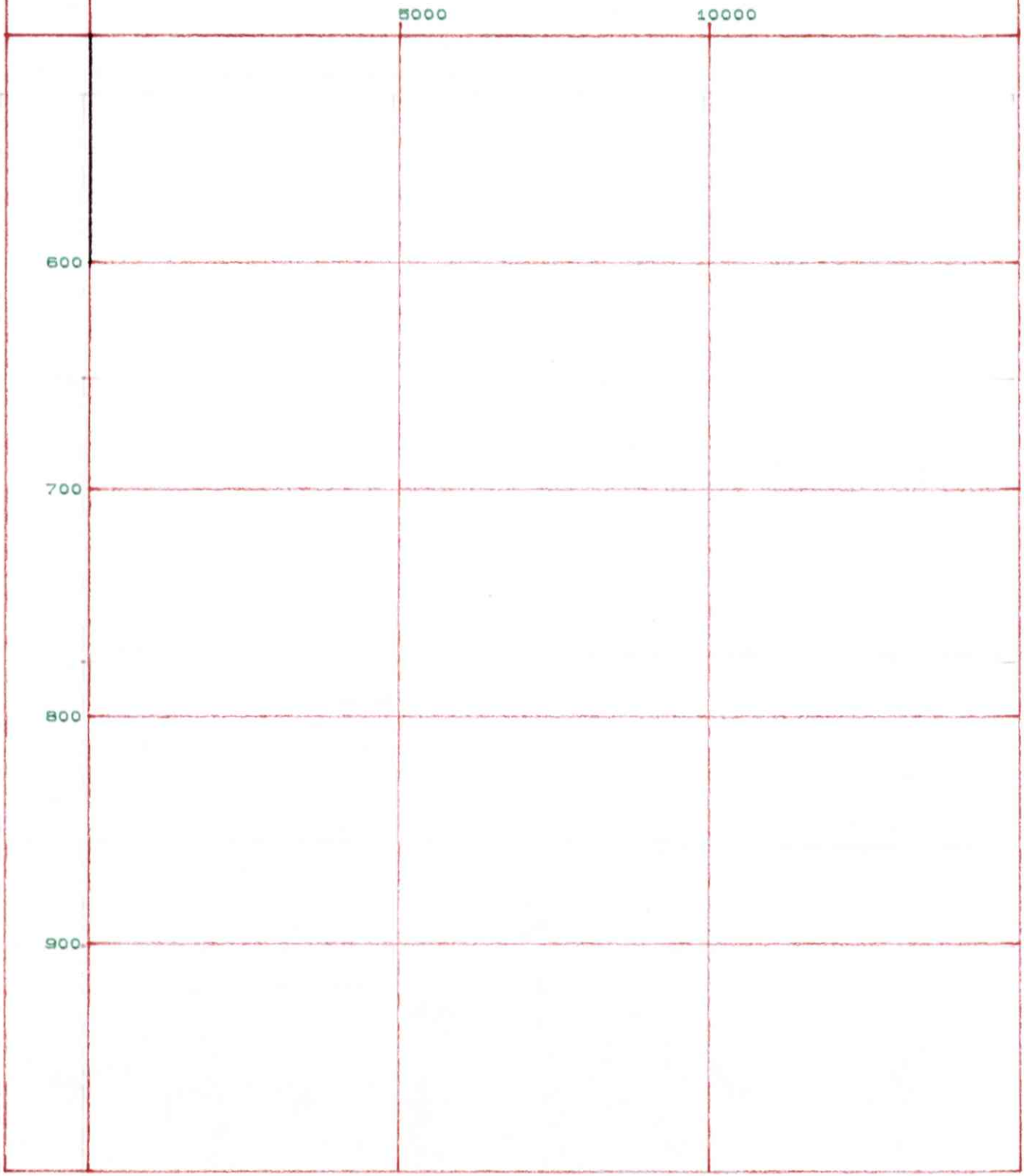
SULITJELMA BERGVERK A/S

DEPTH m

Borehole LL 220
Probe GAMSPR1m
Date 850807
Scale 1:2500

GAMMASTRLING

c/s



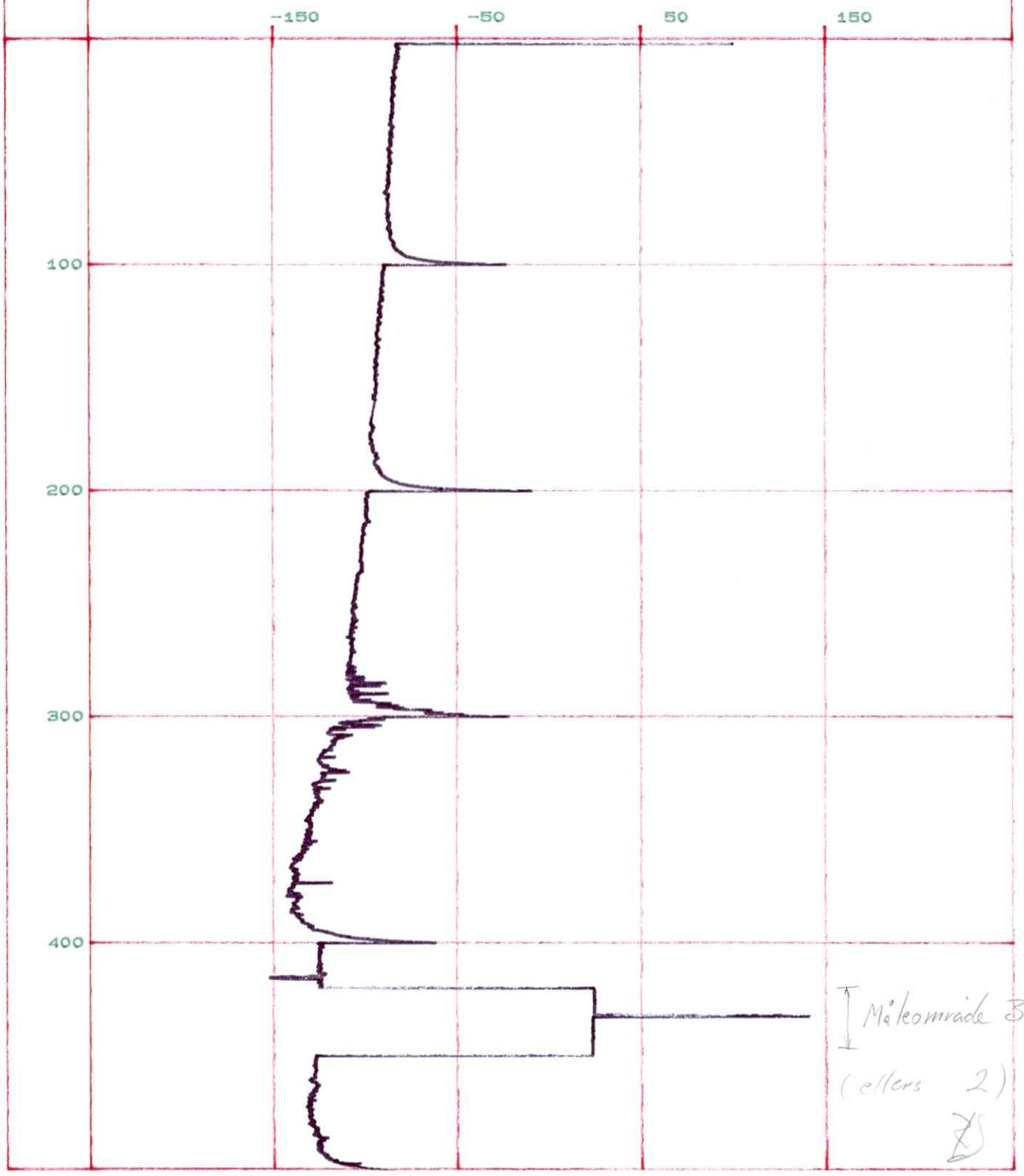
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH m

Borehole LL 220
Probe SUS-KOND
Date 850807
Scale 1: 2500

SUSCEPTIBILITET
E-5 SI



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe SUS-KOND
Date 850807
Scale 1: 2500

SUSCEPTIBILITET

E-5 SI

-150 -50 50 150

600

700

800

900

LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

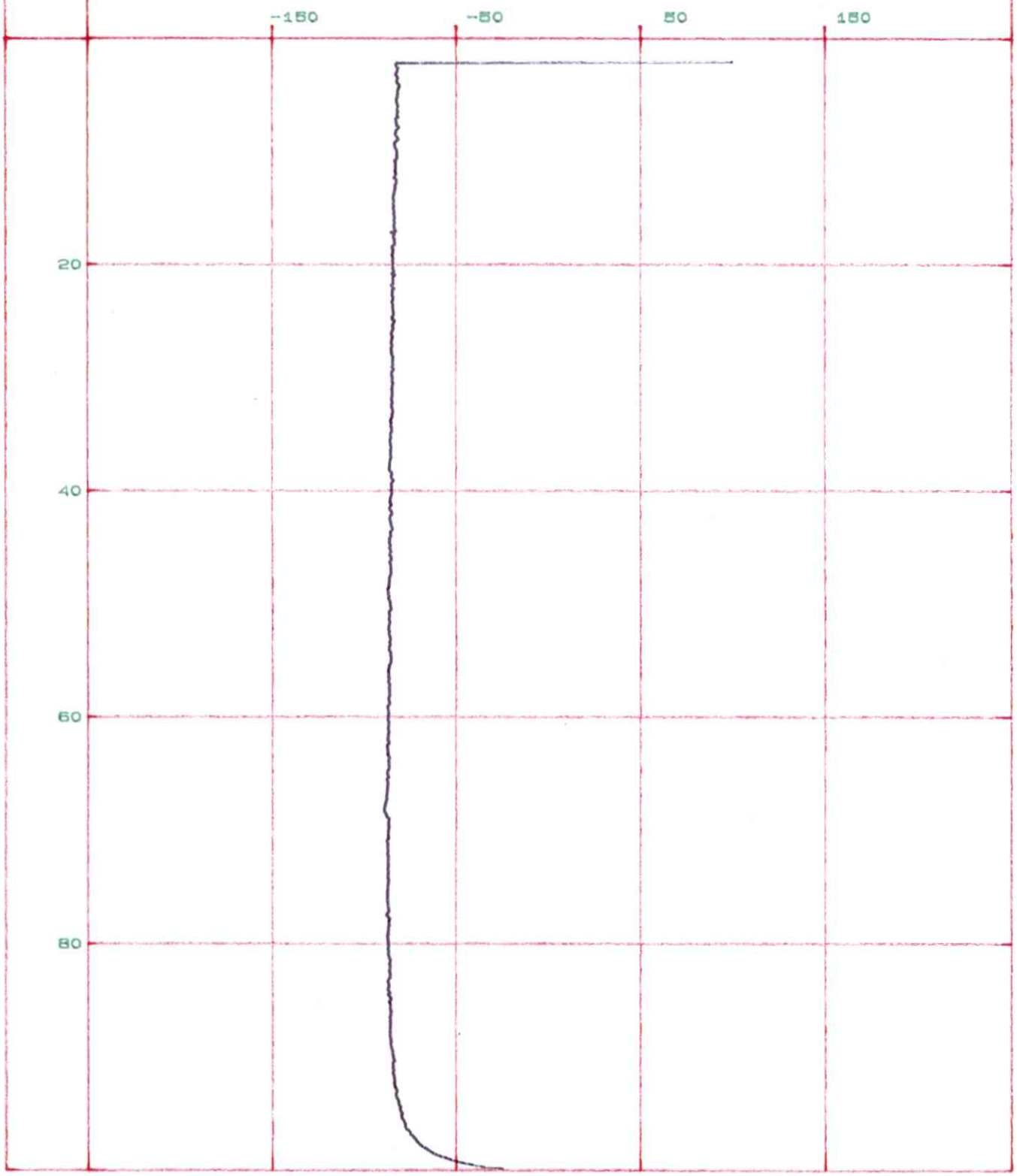
SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe SUS-KOND
Date 850807
Scale 1: 500

SUSCEPTIBILITET

E-5 SI



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

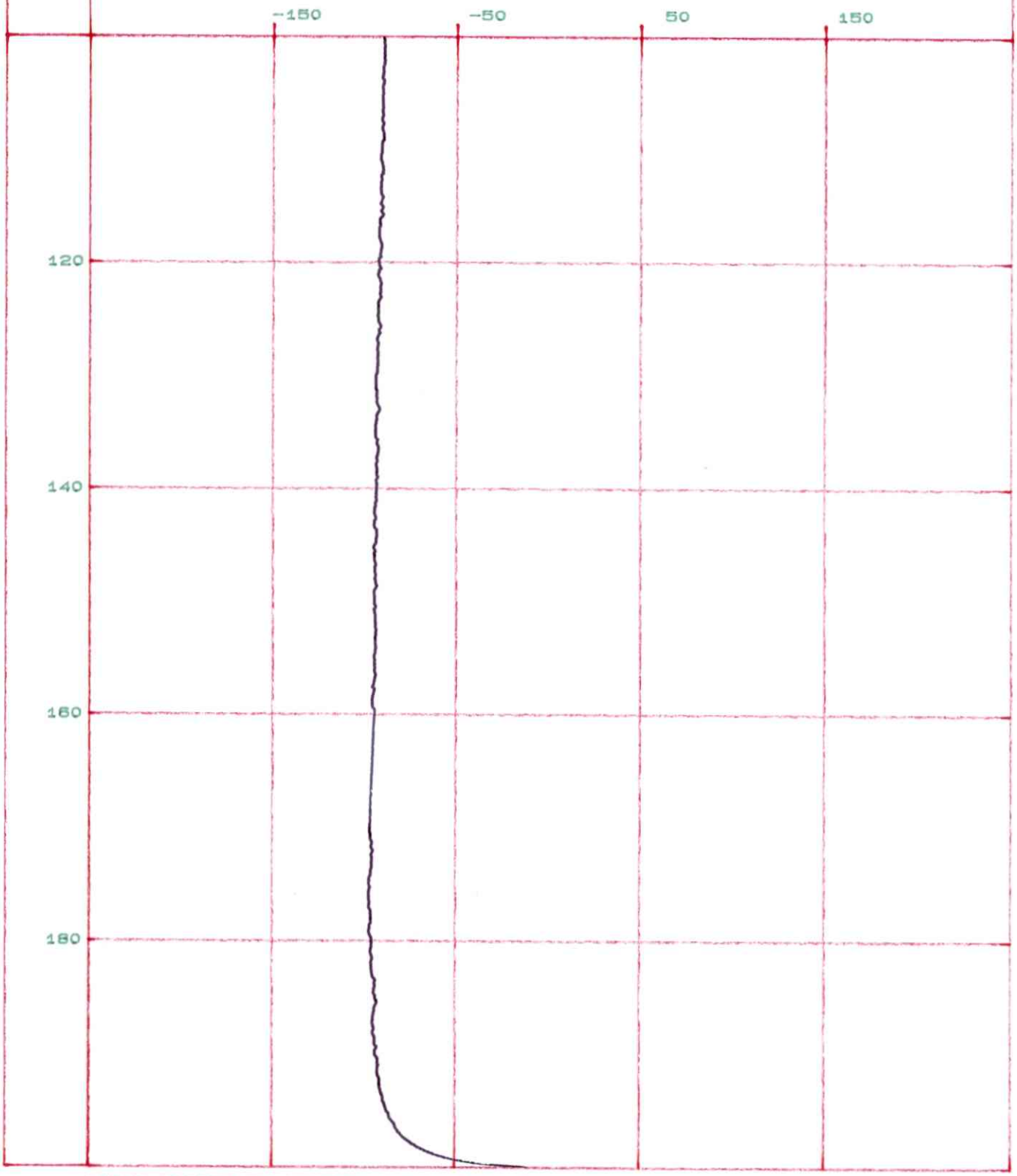
SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe SUS-KOND
Date 850807
Scale 1: 500

SUSCEPTIBILITET

E-5 SI



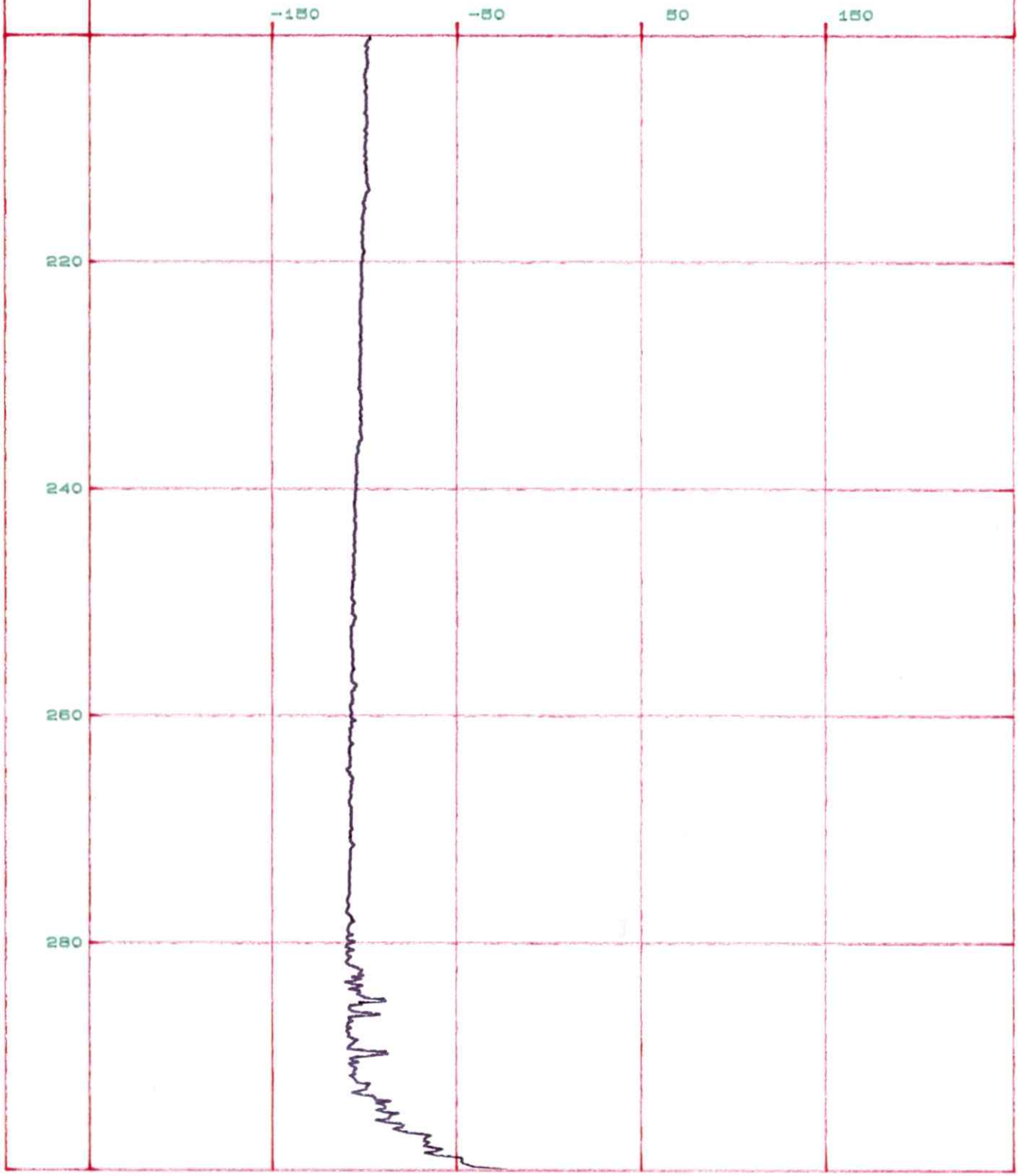
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe SUS-KOND
Date 850807
Scale 1: 500

SUSCEPTIBILITET
E-5 SI



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

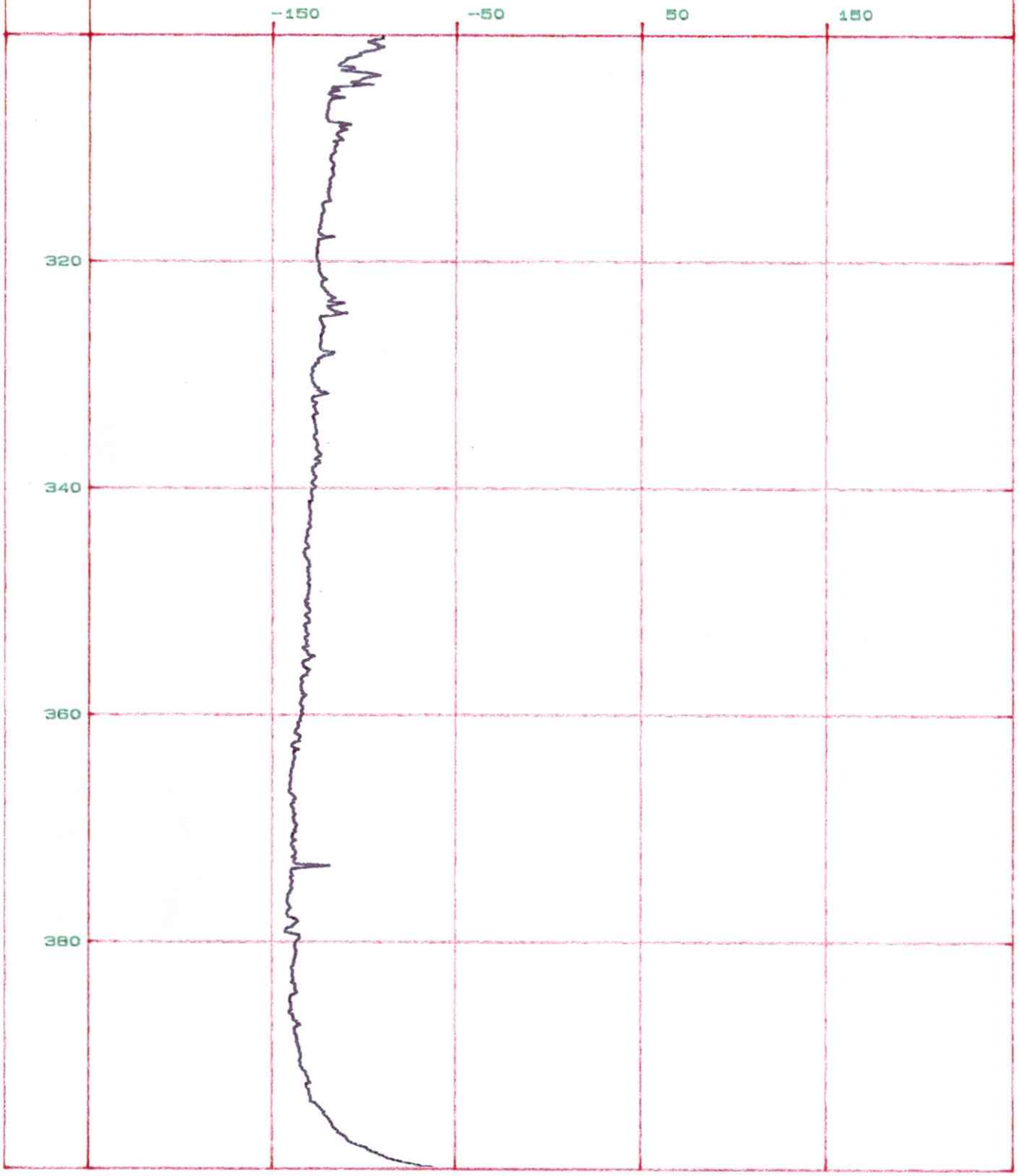
SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe SUS-KOND
Date 850807
Scale 1: 500

SUSCEPTIBILITET

E-5 SI



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

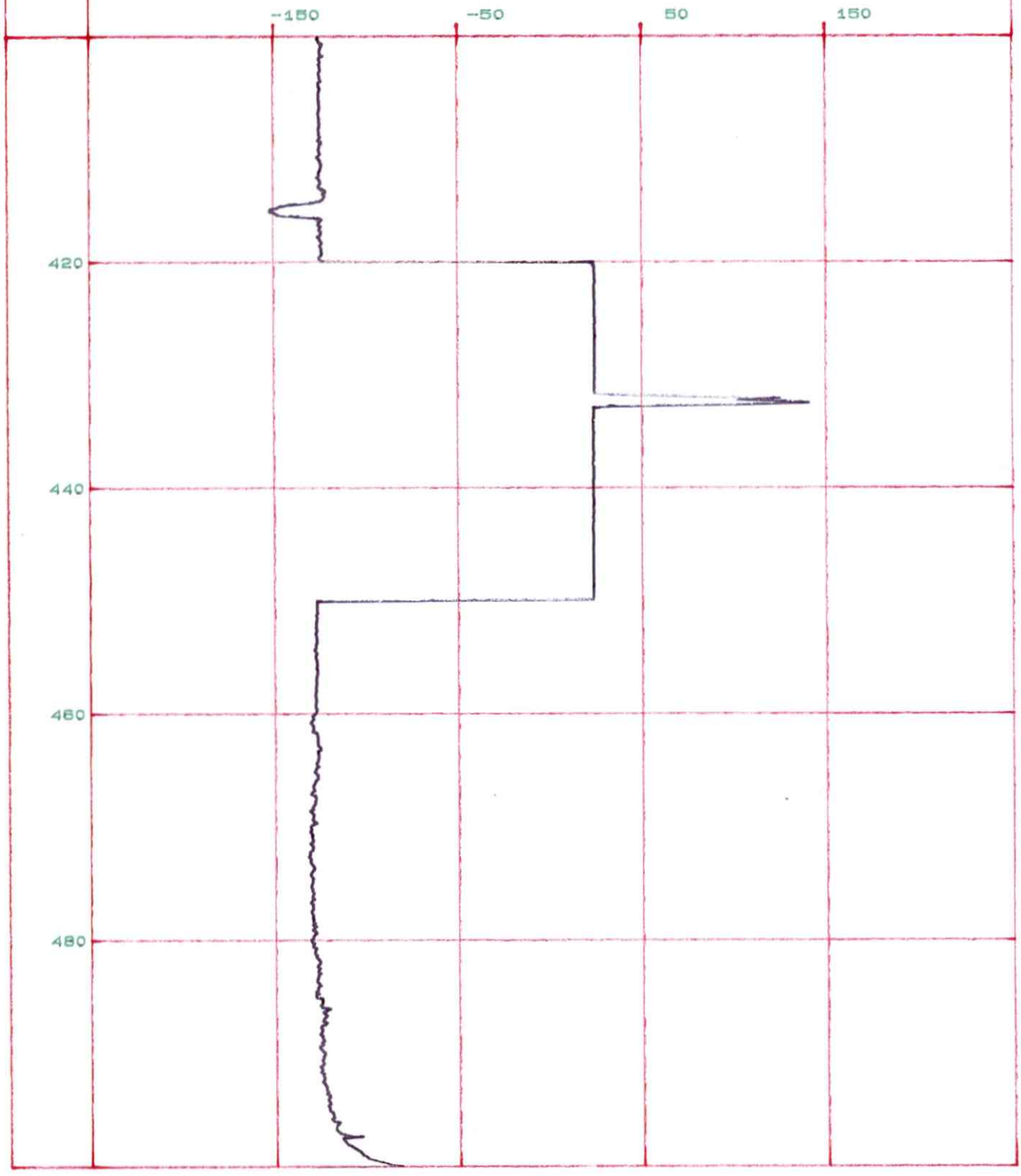
SULITJELMA BERGVERK A/S

DEPTH m

Borehole LL 220
Probe SUS-KOND
Date 850807
Scale 1: 500

SUSCEPTIBILITET

E-5 SI



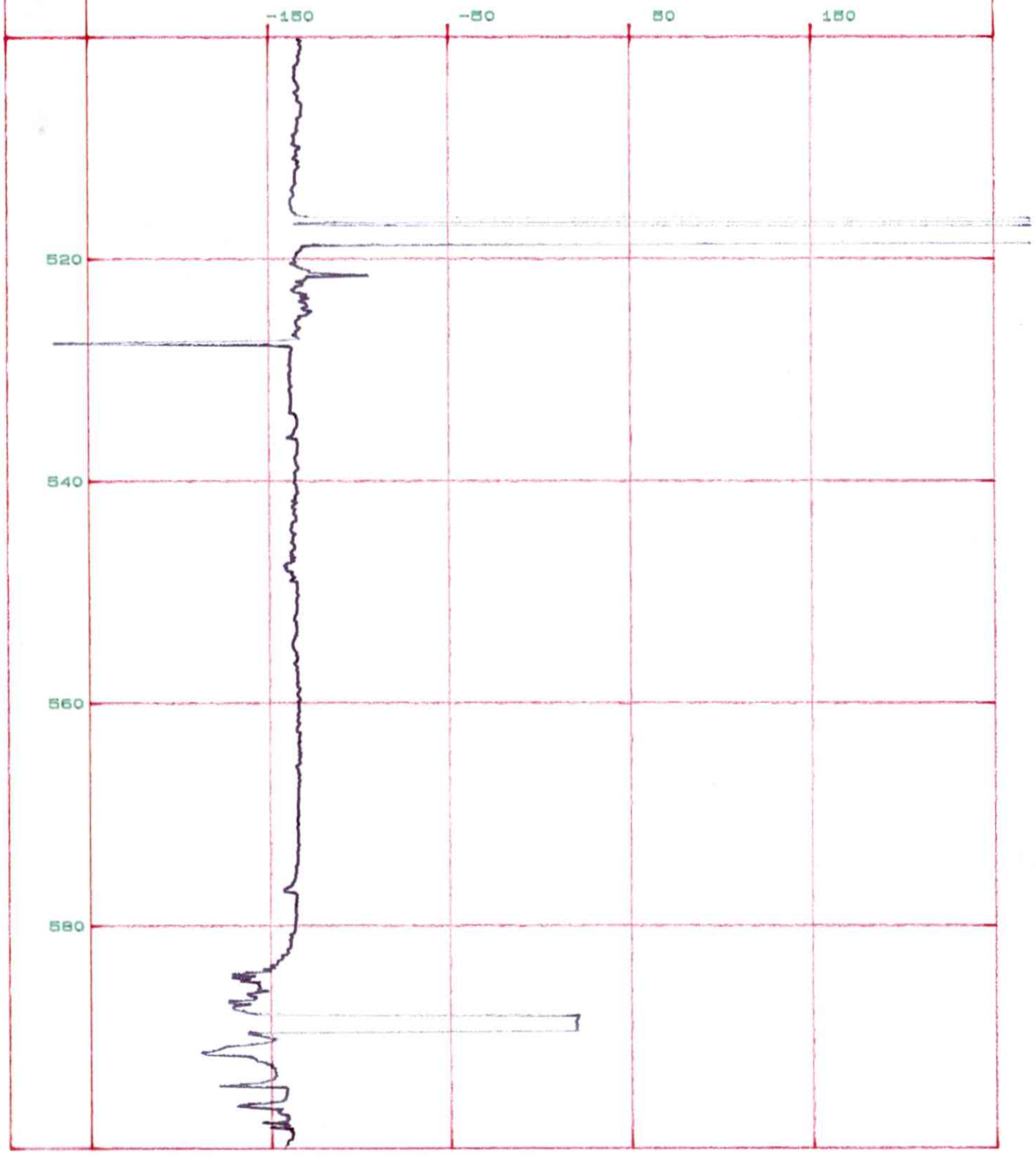
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe SUS-KOND
Date 850807
Scale 1: 500

SUSCEPTIBILITET
E-5 SI



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

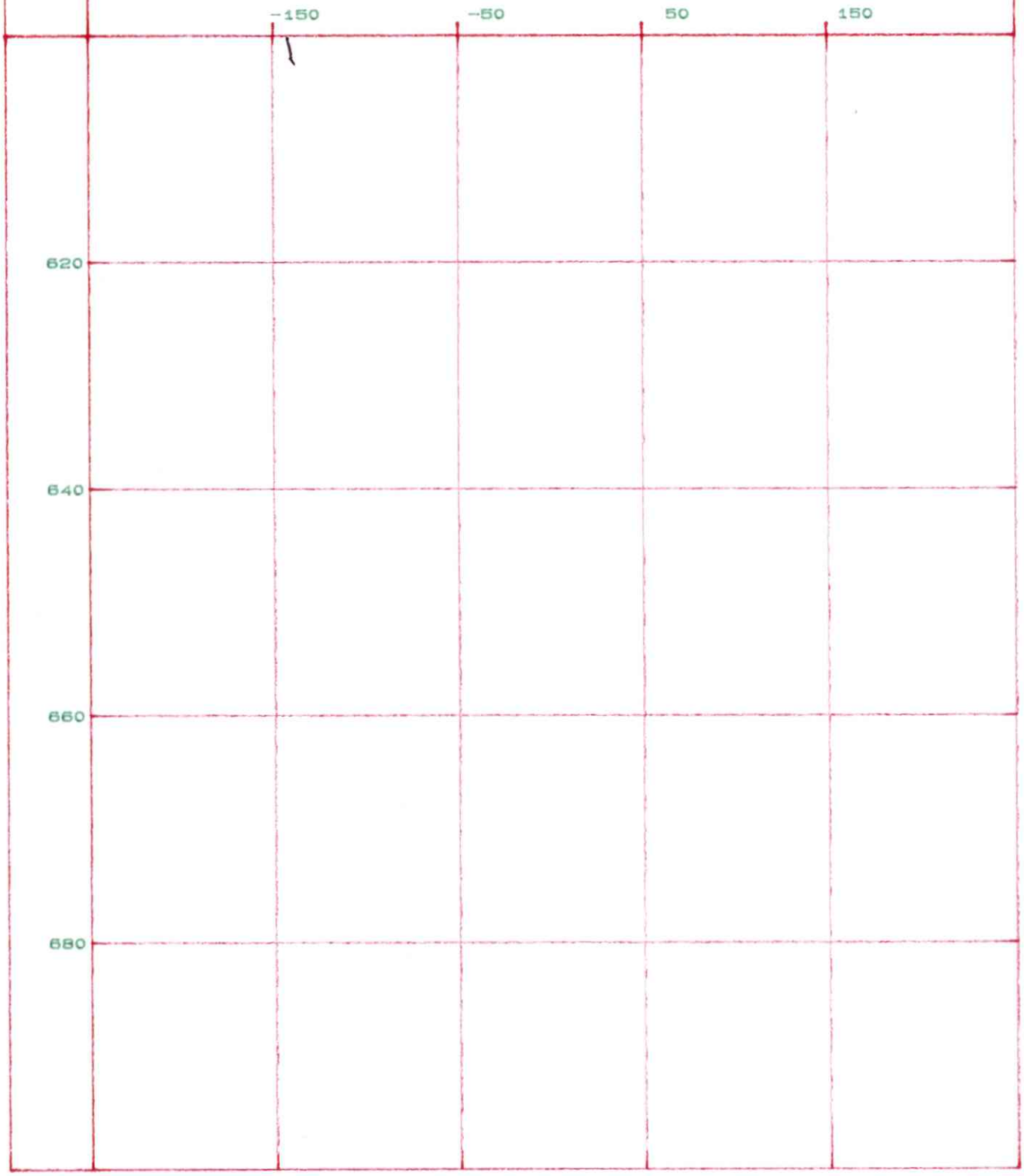
SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe SUS-KOND
Date 850807
Scale 1: 500

SUSCEPTIBILITET

E-5 SI



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

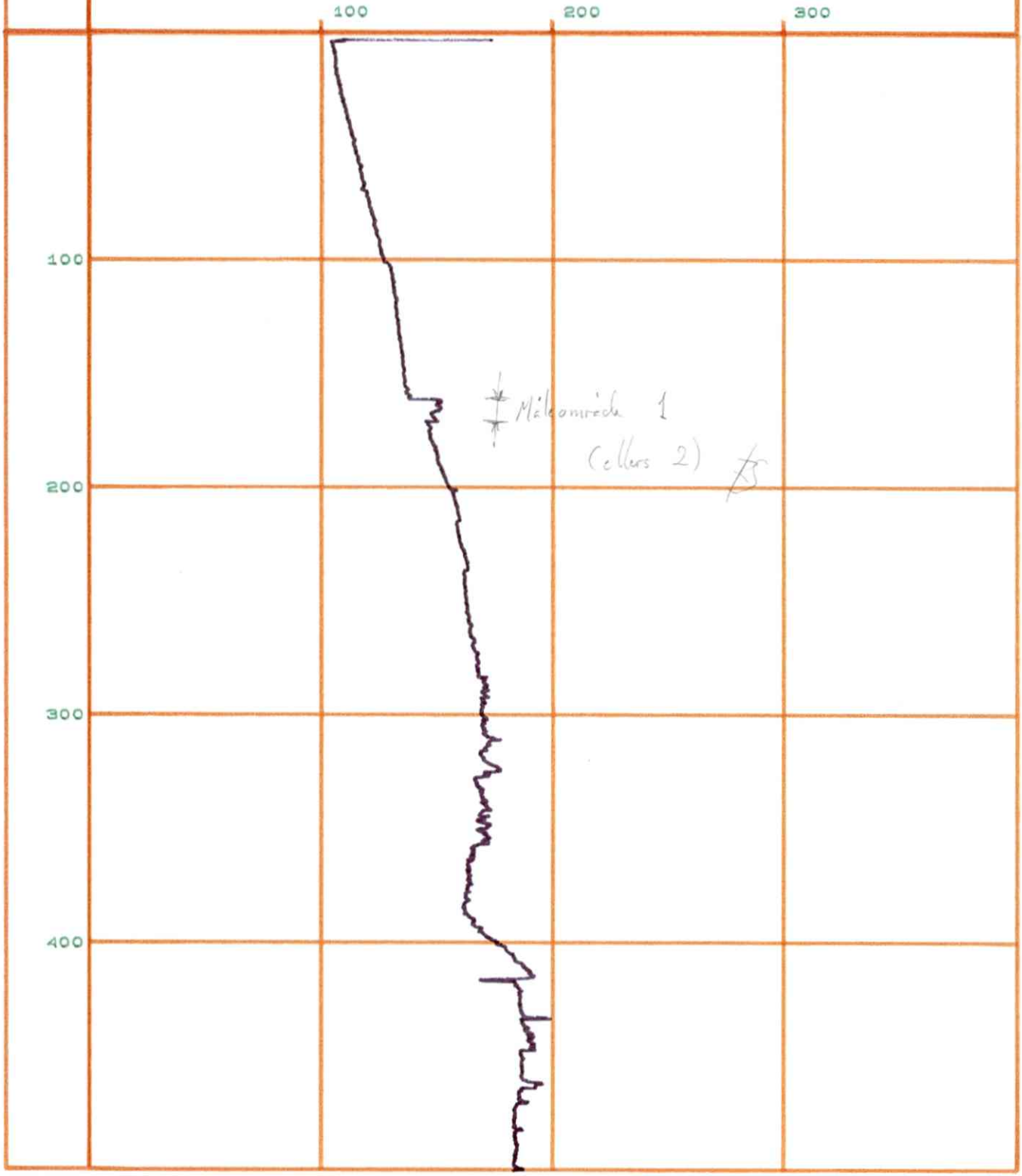
SULITJELMA BERGVERK A/S

DEPTH m

Borehole LL 220
Probe SUS-KOND
Date 850807
Scale 1: 2500

LEDNINGSEVNE

Ohmm



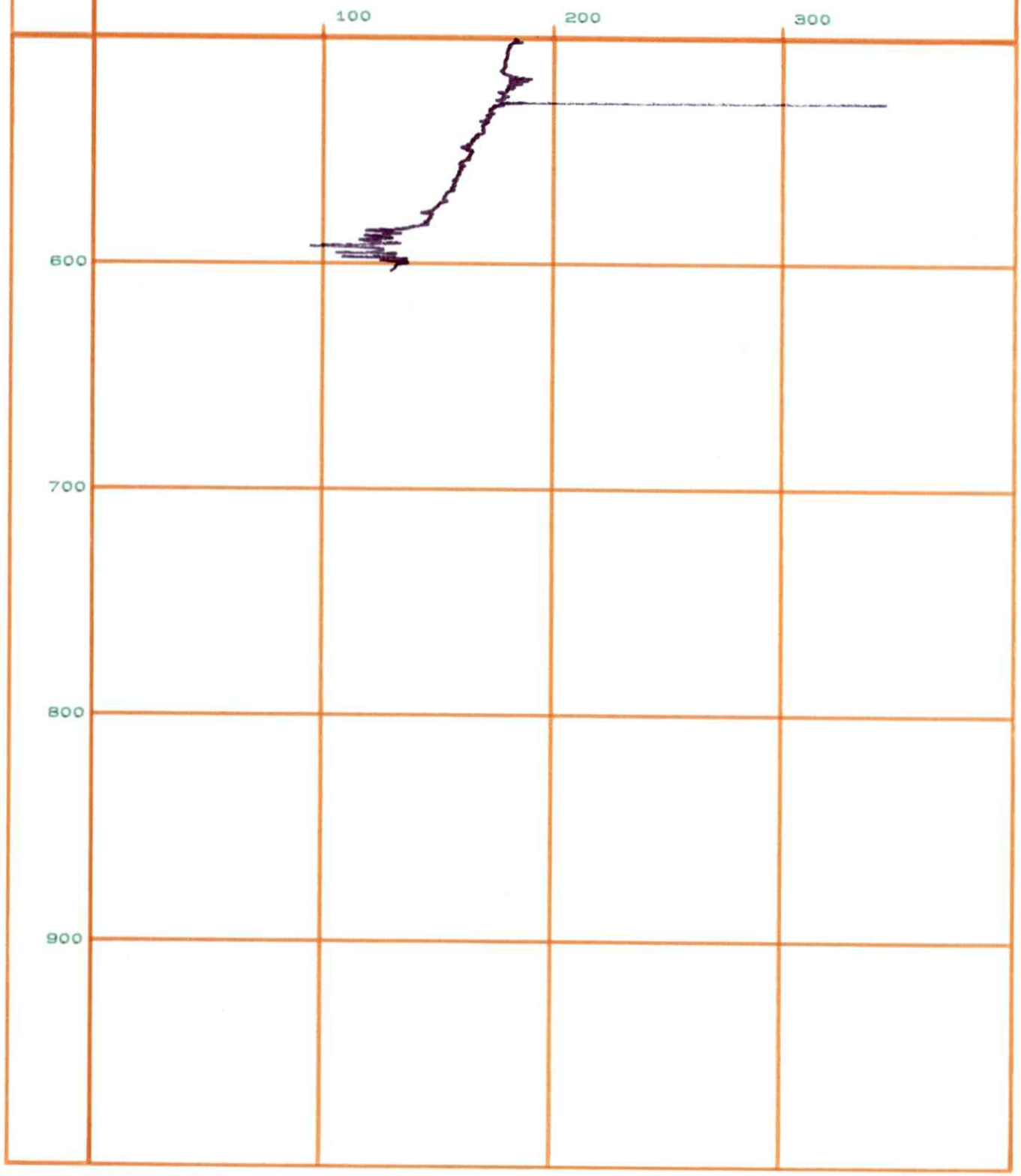
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe SUS-KOND
Date 850807
Scale 1: 2500

LEDNINGSEVNE
Ohmm



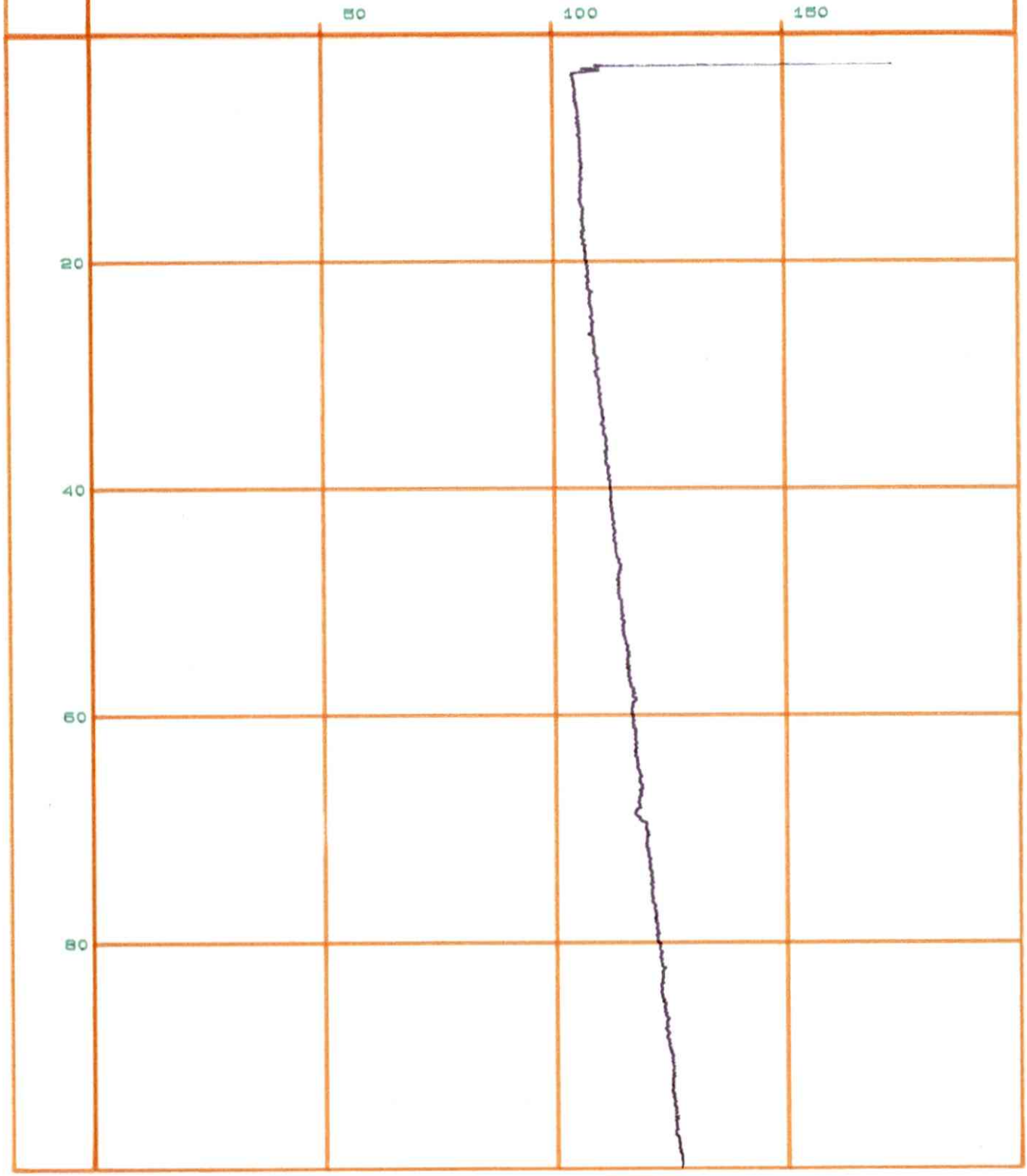
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe SUS-KOND
Date 850807
Scale 1: 500

LEDNINGSEVNE
Ohmm



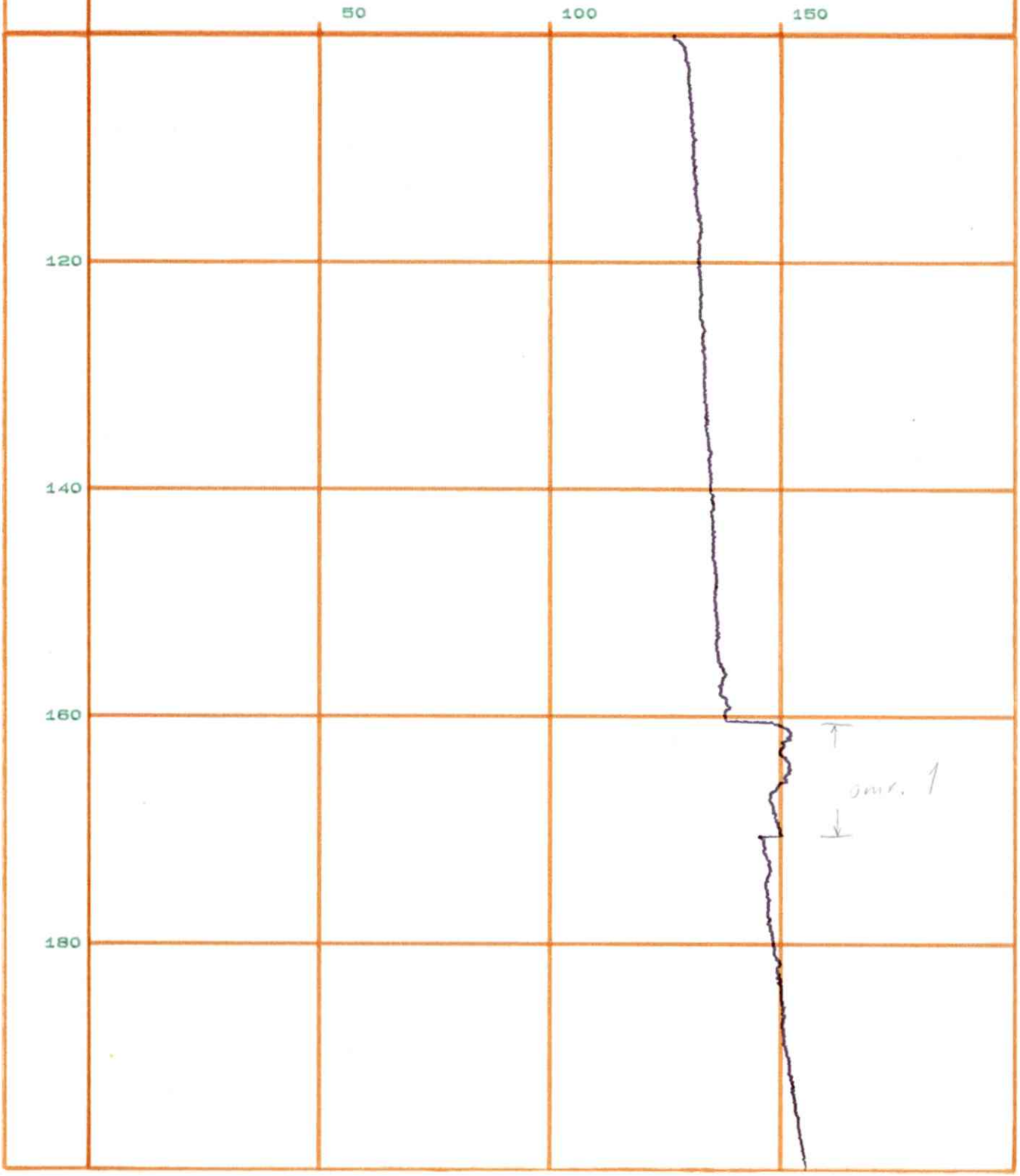
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe SUS-KOND
Date 850807
Scale 1: 500

LEDNINGSEVNE
Ohmm



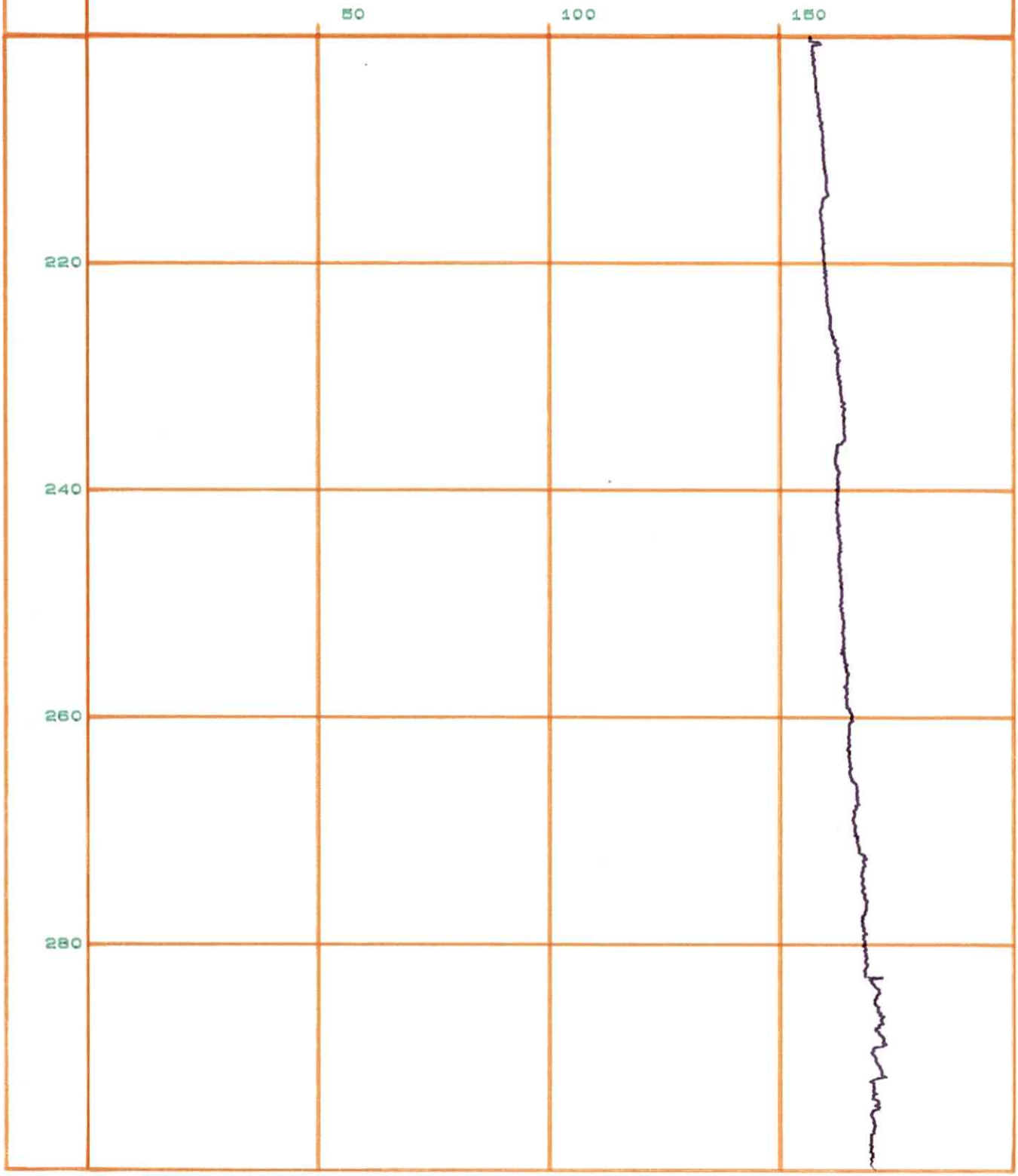
LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe SUS-KOND
Date 850807
Scale 1: 500

LEDNINGSEVNE
Ohmm



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

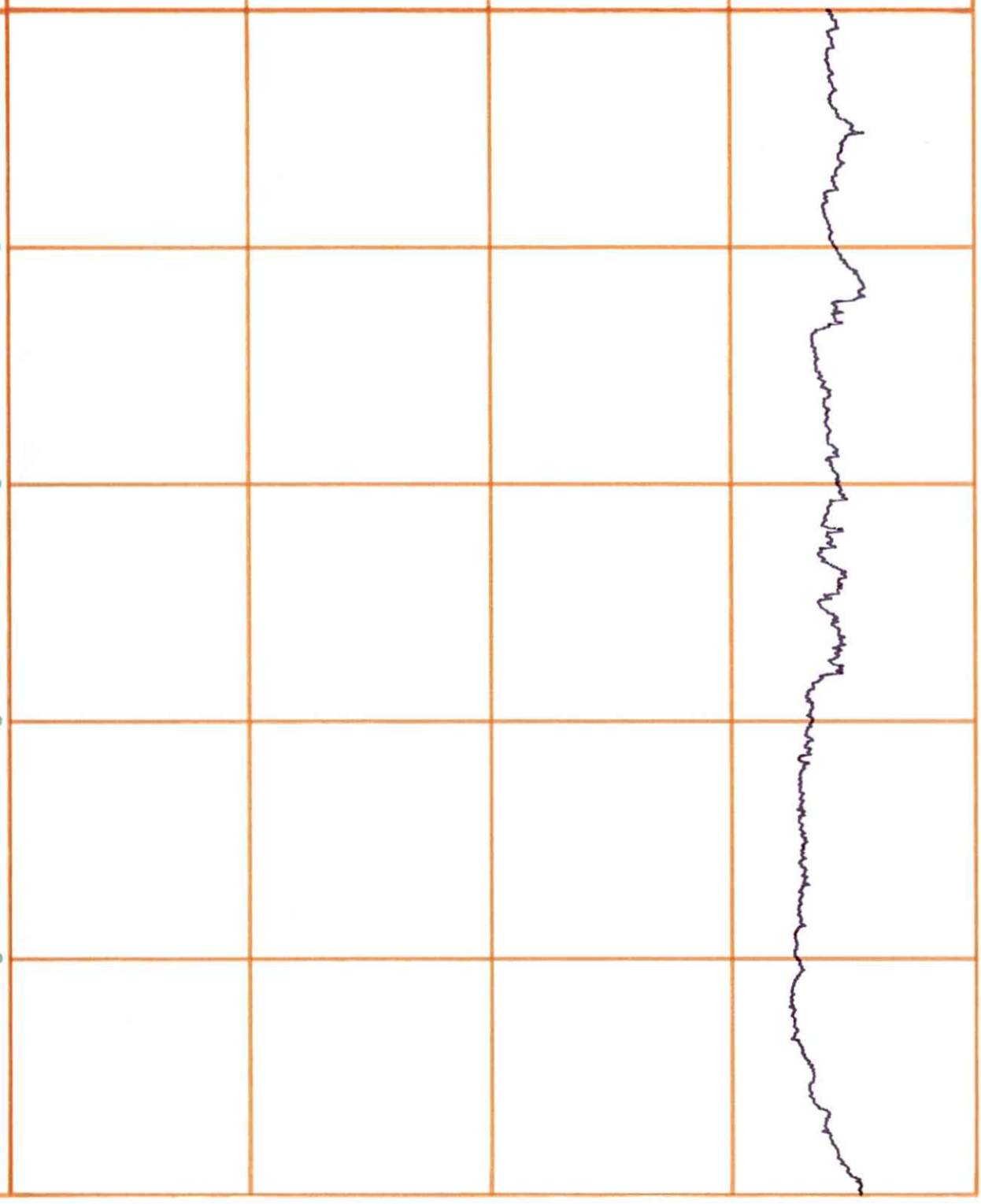
DEPTH
m

Borehole LL 220
Probe SUS-KOND
Date 850807
Scale 1: 500

LEDNINGSEVNE
Ohmm

50 100 150

320
340
360
380



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe SUS-KOND
Date 850807
Scale 1: 500

LEDNINGSEVNE

Ohmm

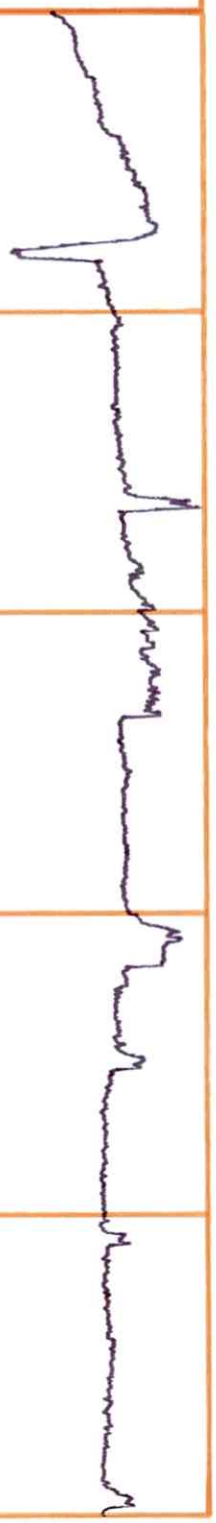
50 100 150

420

440

460

480



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

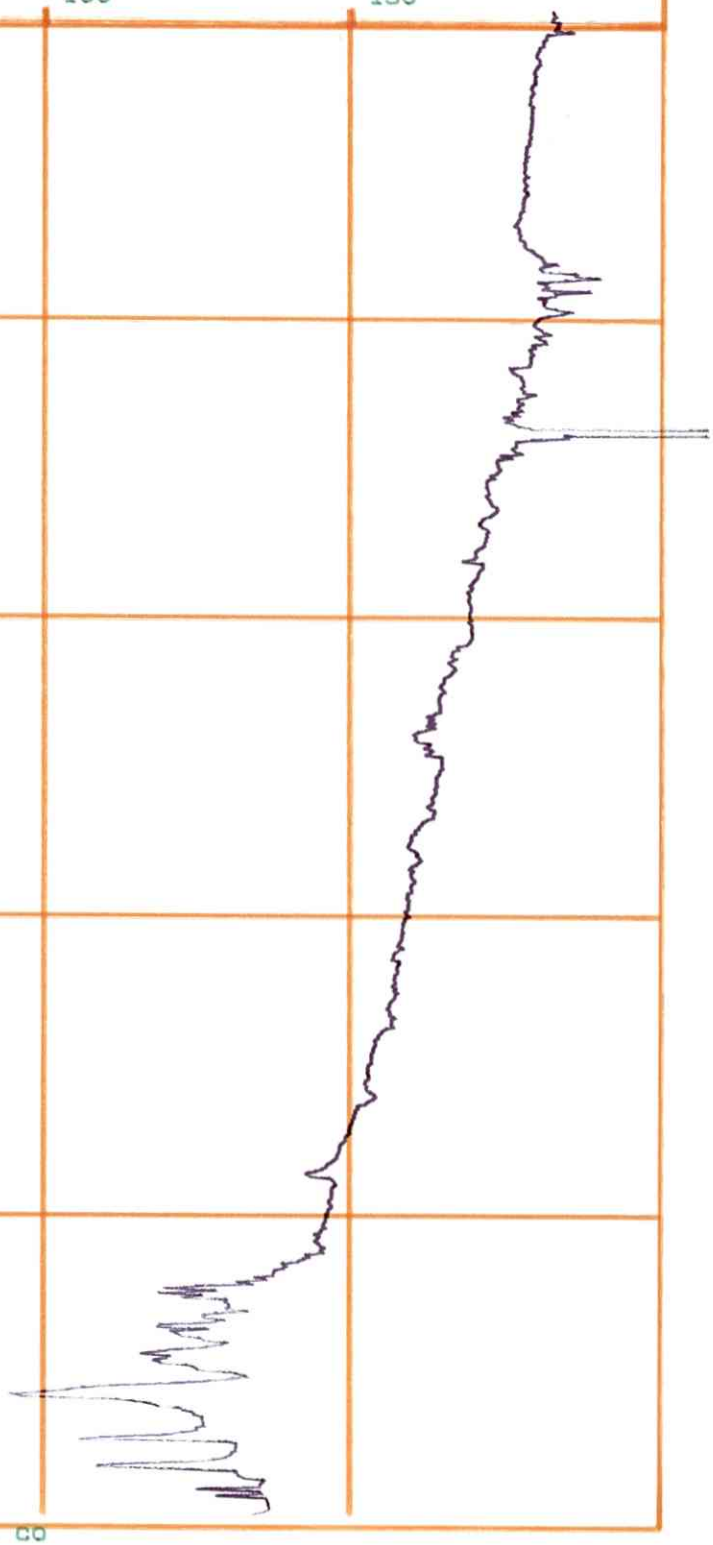
Borehole LL 220
Probe SUS-KOND
Date 850807
Scale 1: 500

DEPTH
m

LEDNINGSEVNE
Ohmm

50 100 150

520
540
560
580



LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

SULITJELMA BERGVERK A/S

DEPTH
m

Borehole LL 220
Probe SUS-KOND
Date 850807
Scale 1: 500

LEDNINGSEVNE
Ohmm

50 100 150

620
640
660
680

LOGIC SYSTEM BY SWEDISH GEOLOGICAL CO

ANALOGE LOGGER

DBH 92 Sp-måling

27.8.85. Lilly

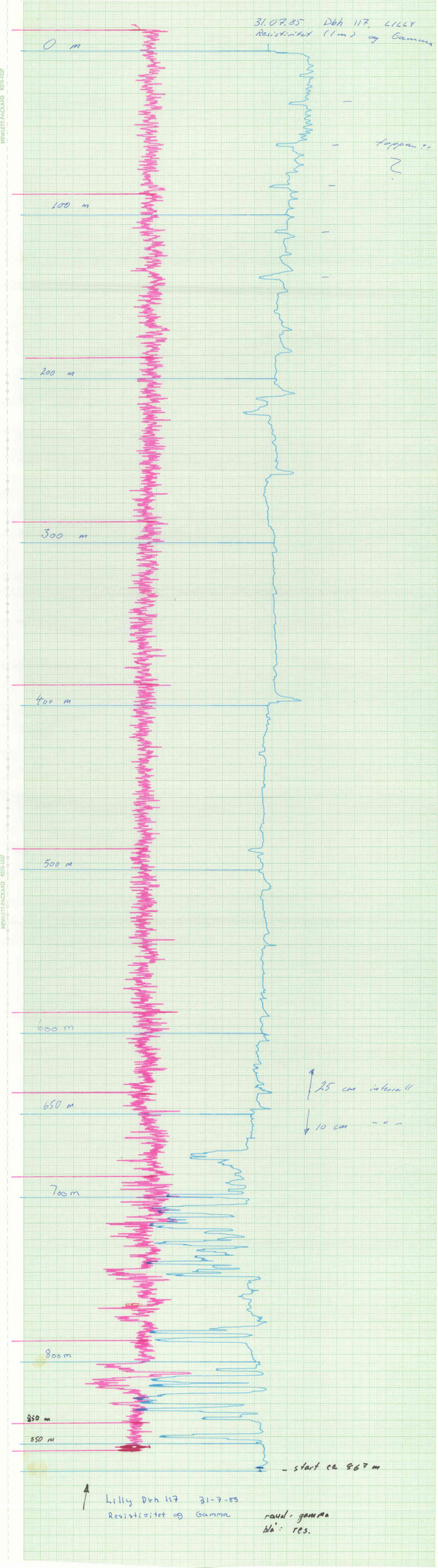
↑

27.8.85. DBH 92

SP. Måling

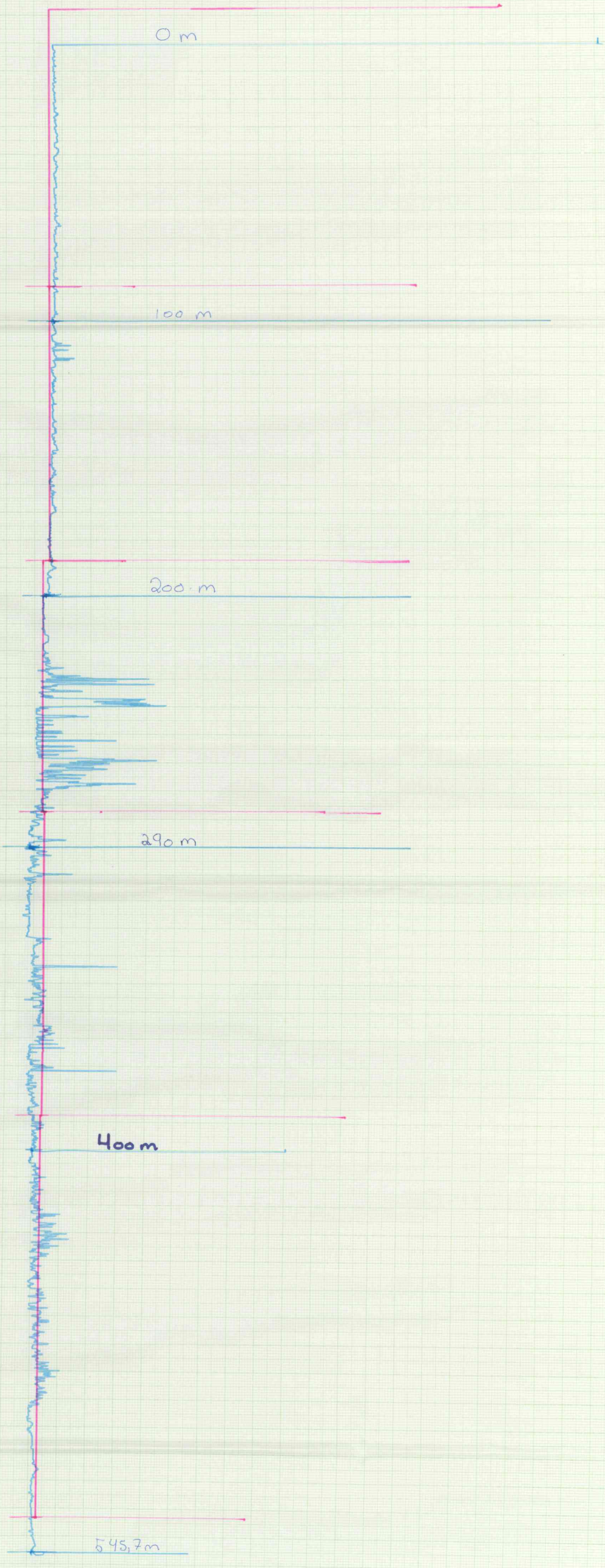
Lilly

HEWLETT-PACKARD 9270-1037


31.07.85 Dbh 117. LILLY
Resistivitet (1 m) og Gamma
0 m
100 m
200 m
300 m
400 m
500 m
600 m
650 m
700 m
800 m
850 m
850 m
2.5 cm
10 cm
- start ca. 867 m
Lilly Dbh 117 31-7-85
Resistivitet og Gamma
raud: gamma
blå: res.

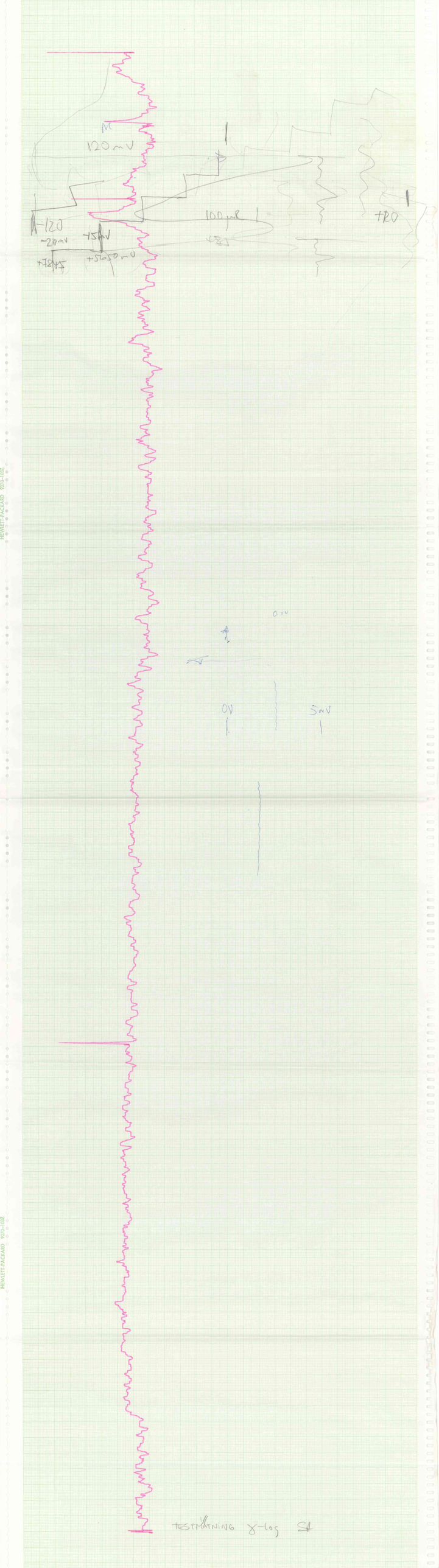
DBH 178 (hilly) 14.8.85

cu~~s~~d og SuSc



HEWLETT-PACKARD 9270-1037

13.8.85 DBH 178
Resistivitet og Gamma
Lilly
54.3 Ωm
15 Ωm
400 Ωm
300 Ωm
200 Ωm
100 Ωm
100 Ωm
+
-
13.8.85 DBH 178
Resistivitet og Gamma
Lilly



TESTMÄTNING γ-log St

13.8.85 DBH 178

Resistivitet 5cm

Lilly

13.8.85 DBH 178

RESISTIVITET 5cm

Lilley

HEWLETT-PACKARD 9270-1037

13.8.85 DBH 178

SP Måling

Lilley ↓

13.8.85 DBH 178

SP Måling

Lilley

HEWLETT-PACKARD 9270-1037

HEWLETT-PACKARD 9270-1037

0 m

100 m

200 m

300 m

400 m

500,0 m

520.5 m

+

DBh 185 (hilly)

SPR (5cm)

06.08.85

10 cm Intervall

HEWLETT-PACKARD 9270-1037

SP - 5.8.85
Dbh 185 LILLY

0 m

100 m

200 m

300 m

+ ÷ DATA

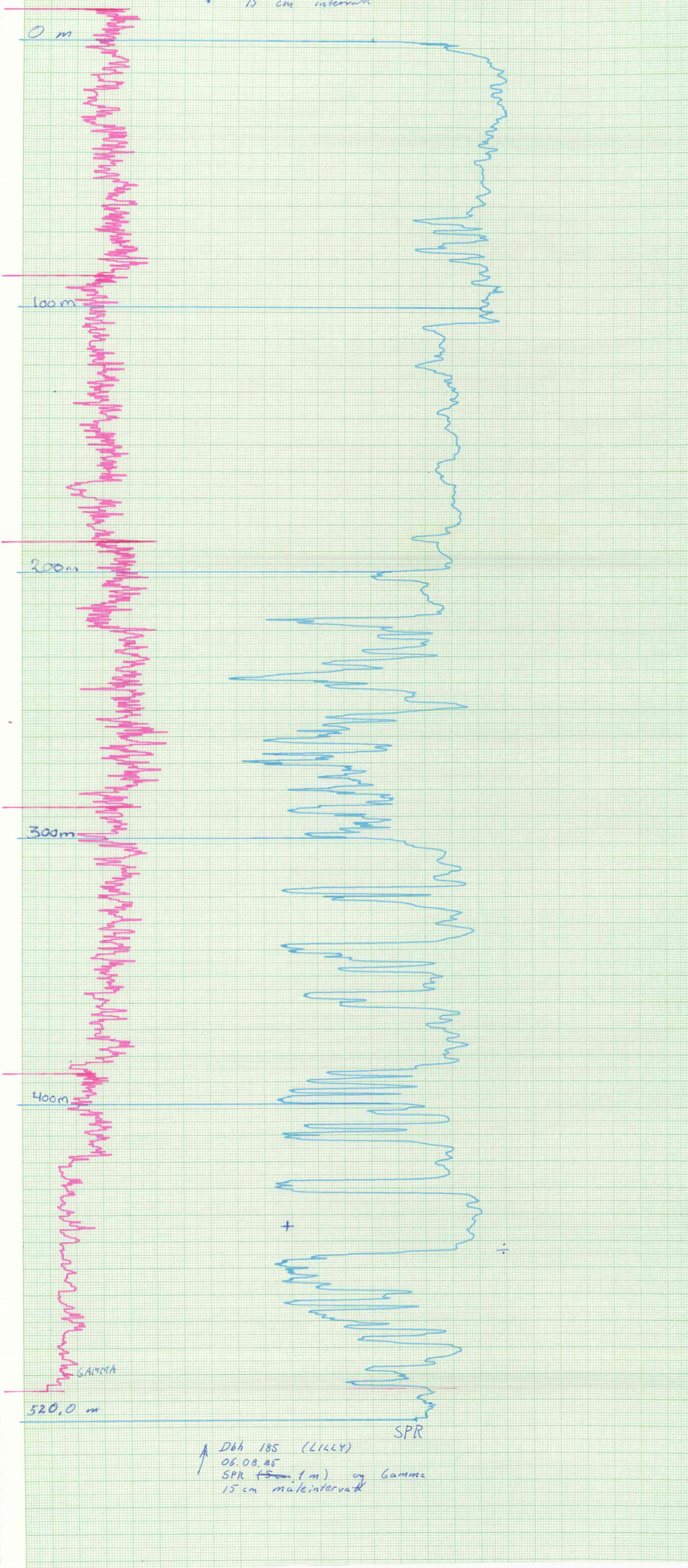
400 m

509 m

Lilly DBH 185 5-9-85
Måleområde 1 mV/mm
Sp-måling

HEWLETT-PACKARD 9270-1037

Dbh 185
SPR (1 m) og GAMMA
06.08.85
15 cm interval



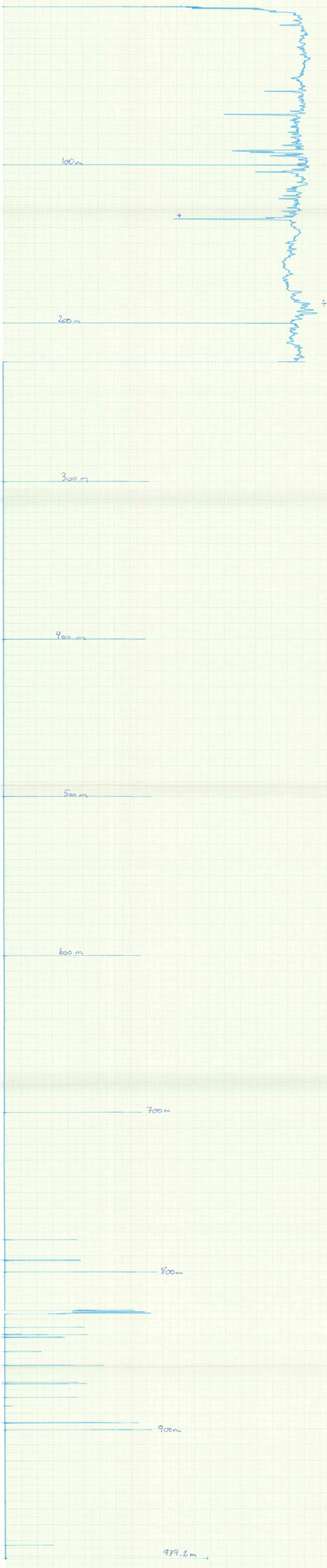
Dbh 185 (LILLY)
06.08.85
SPR ~~(5 cm~~ 1 m) og Gamma
15 cm male interval

HEWLETT-PACKARD 9270-1037

19. 8. 85 DBH 26

Resistivimeter 5cm

Lilly

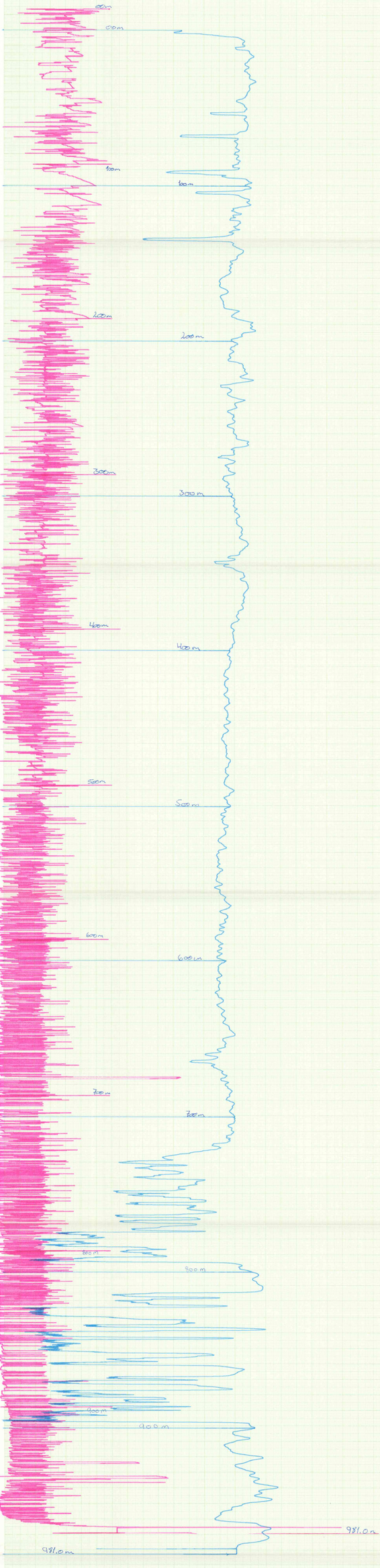


19. 8. 85 DBH 26

Resistivimeter 5cm

Lilly

19. 8. 85 OBH 216
Resistivitet og Gamma 1m
Lilleg

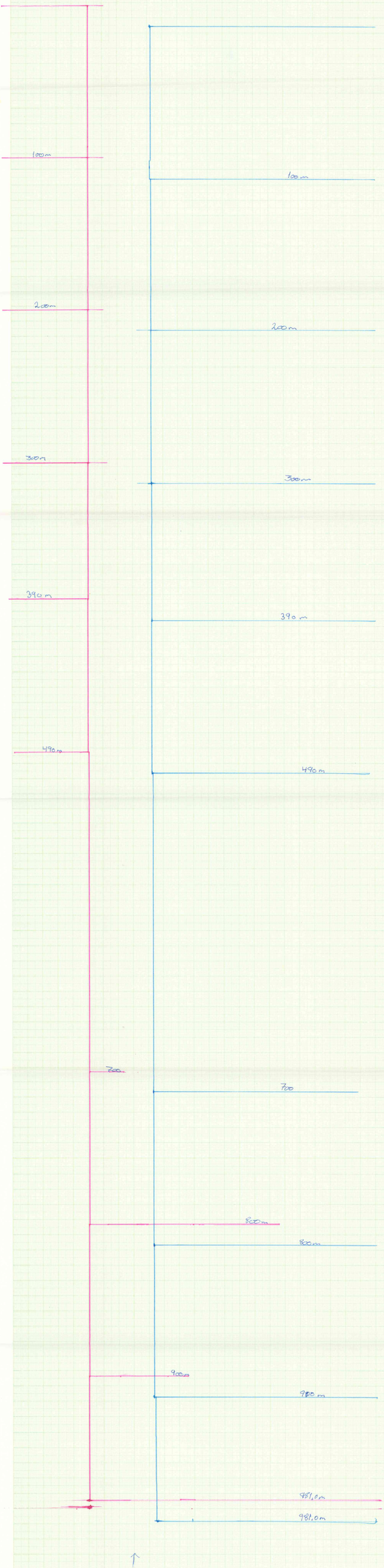


19. 8. 85 OBH 216
Resistivitet og Gamma 1m
Lilleg

19. 8. 95 DBH 216

Svaceptibilitet og kondukthevnet

Lilly



19. 8. 95 DBH 216

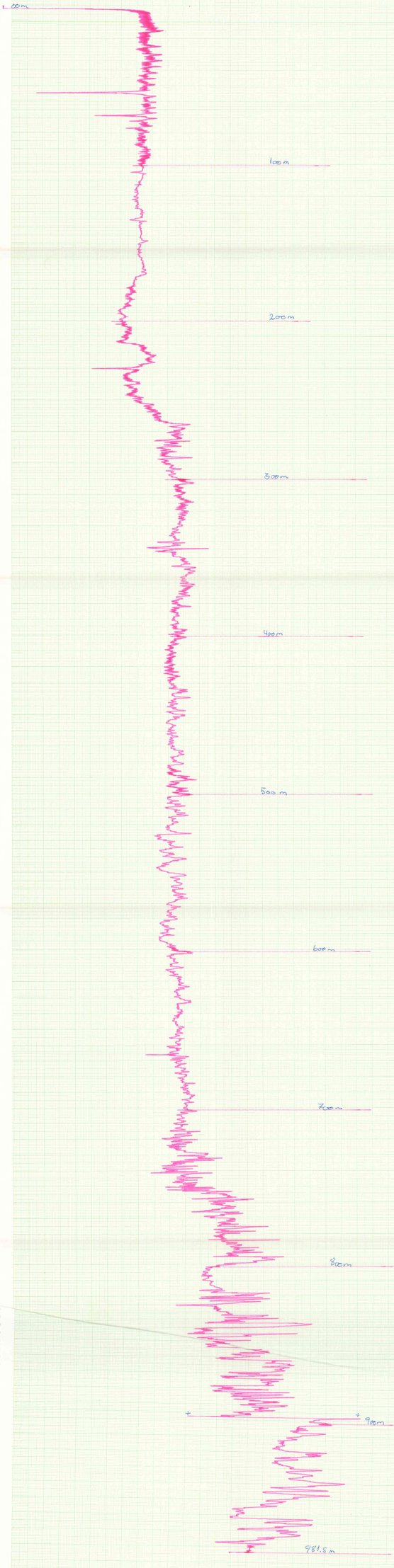
Stasc og kond sande

Lilly

19.8.85 DBH 216

SP. Mäling

Lilly



19.8.85 DBH 216

SP. Mäling

Lilly

7.8.85 DBH 220

Gamma og Resistivitet

Lilly

7. 8. 85 DBH 220

SPR Måling

Lilly

7. 8. 85 DBH 220

Resistivitet Måling

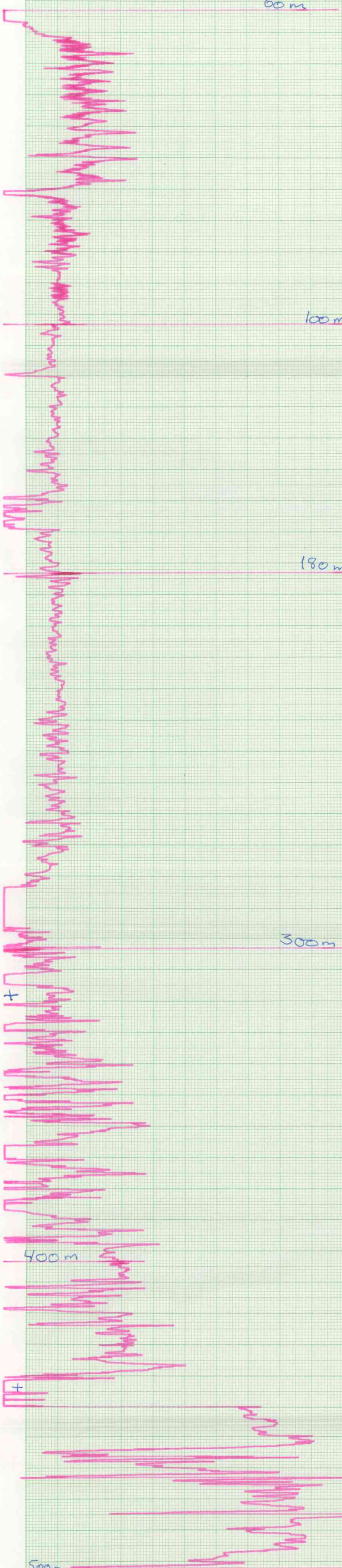
Lilly

HEWLETT-PACKARD 9270-1037

7.8.85 DBH 220

SP Måling.

Lilly



7.8.85 DBH 220

SP Måling

HEWLETT-PACKARD 9270-1037

7.8.85 DBH220

SUSC OG COND

Lilly

↑

7.8.85 DBH 220

SUSC og Cond

Lilly

HEWLETT-PACKARD 9270-1037