



Bergvesenet

Postboks 3021, 7002 Trondheim

Rapportarkivet

Bergvesenet rapport nr BV 271	Intern Journal nr	Internt arkiv nr	Rapport lokalisering Trondheim	Gradering Fortrolig
Kommer fra ..arkiv	Ekstern rapport nr	Oversendt fra Rødsand gruver A/S	Fortrolig pga	Fortrolig fra dato:
Tittel Diamantboring i Rausand				
Forfatter		Dato 	Bedrift Rødsand Gruber A/S	
Kommune Neset	Fylke Møre og Romsdal	Bergdistrikt Trondheimske	1: 50 000 kartblad 13201	1: 250 000 kartblad
Fagområde Boring	Dokument type	Forekomster Rødsand gruber		
Råstofftype Malm/metall	Emneord Fe, Ti, V			
Sammendrag Rapporten består av en ringperm med: Borprofiler m/fargelagt geologi BH 1-100				

$y = 1050$

$y = 1100$

Bh. n. 7.

B.

$x = 1443,5$

$$y = 1050$$

$$y = 1100$$

+230

Bh-31

B.

$$x = 1526.5$$

$$y = 1100$$

$$u = 1150$$

+140

Bh. 34

B

$$x = 1297.7$$

$\psi = 1000$

+200

Bh.nr. 33

R.

$x = 1349$

$y = 1000$

y

$+230$

Bh. nr. 32

R.

$x = 1487,3$

Bh. nr. 84 D-40 x 8745-
0,0 m — 8,60 m 40.7% Fe.

Bh. nr. 95 D-40 x 949
0,0 m — 5,3 m 41.8% Fe.

40.7% gin T36 40.25 AA. 42% 36.60 AA.

101

1300

4

1000

$\frac{2684}{62}$
46

11
50
90
150
215
270
310
348

$85:35=2\frac{1}{3}$
 $\frac{22}{150}$
100

51,60

90,5

94,0
81,25
12,25

81,75
69,50
12,25

97
38,4

$586:35=16\frac{2}{5}$
351
236
210

260
210
500

89,10
390
9300
390
9690
390
10080

10000
5000
10000

8000

167
167
334
167
500
167
668
167
835
167
1002
167
1169

1160

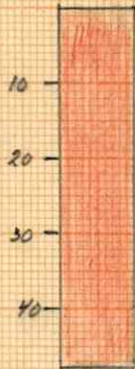
1160

103
96
73

Borhull Nr 1.

45° mot N

M = 1:1000

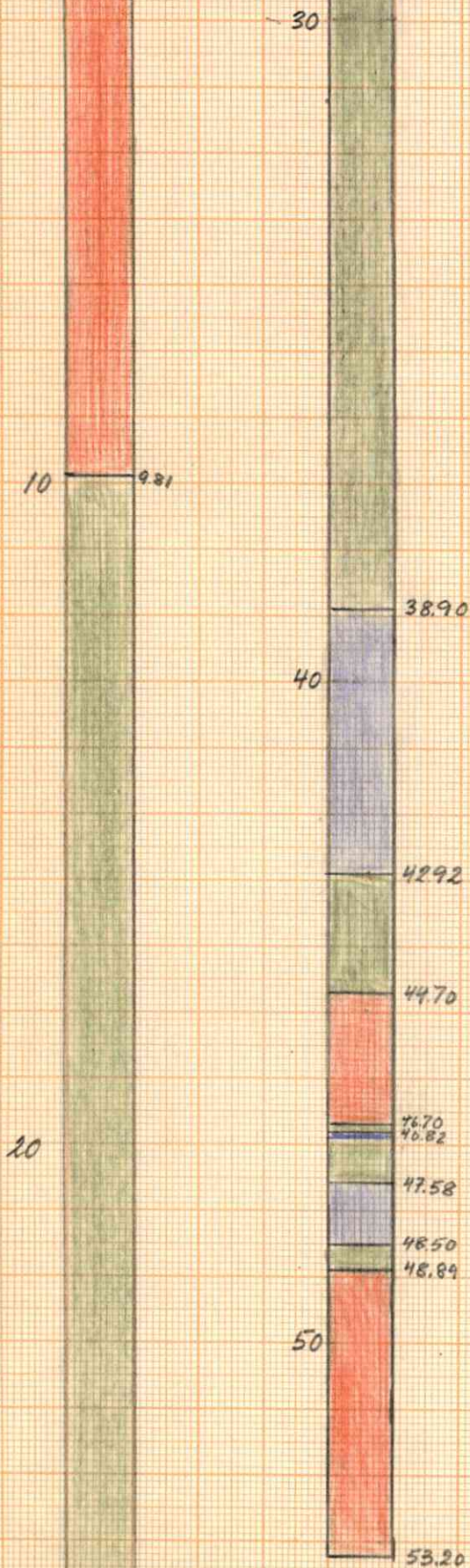


Gneisgranitt

Borhull Nr 2

45° fall mit S.

M. 1:100.



28.96% Fe (4.02m)

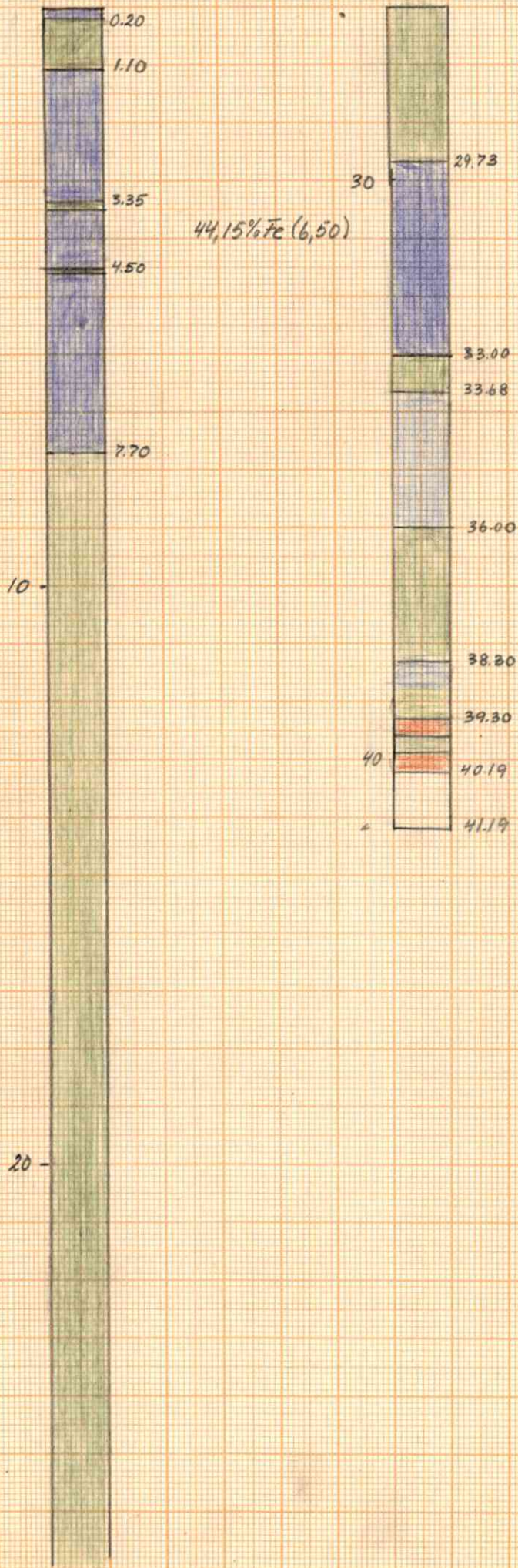
25-30% Fe

Borhull nr 3

vertikalt

M: 1: 100

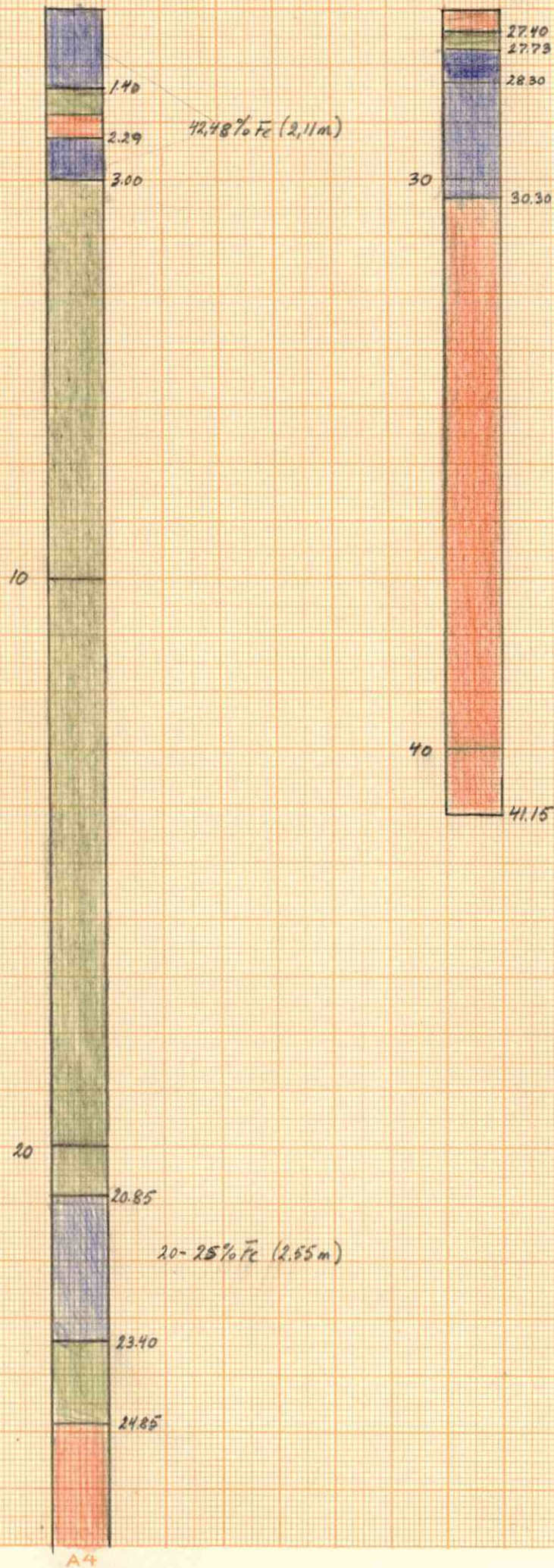
$X = 1802,4$, $Y = 1015,7$, $H = 273,5$



$X=1886,28, Y=1019,87, H=274,82$

Borhull Nr 4

45° fall mot S
M. 1:100



A4

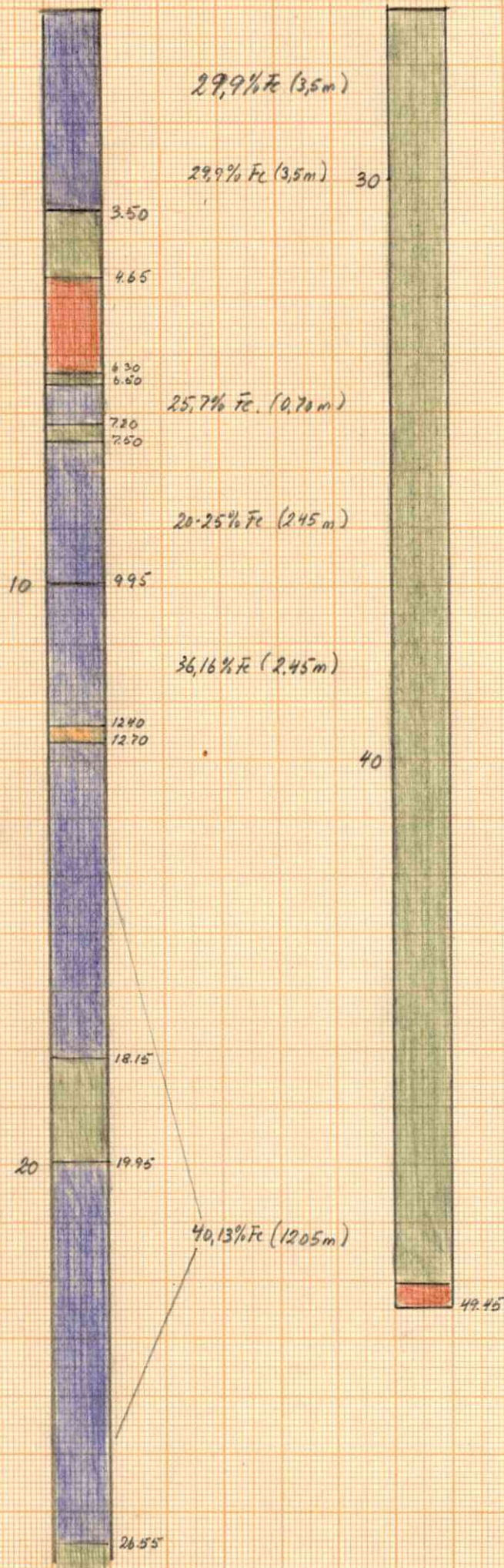
7-234-

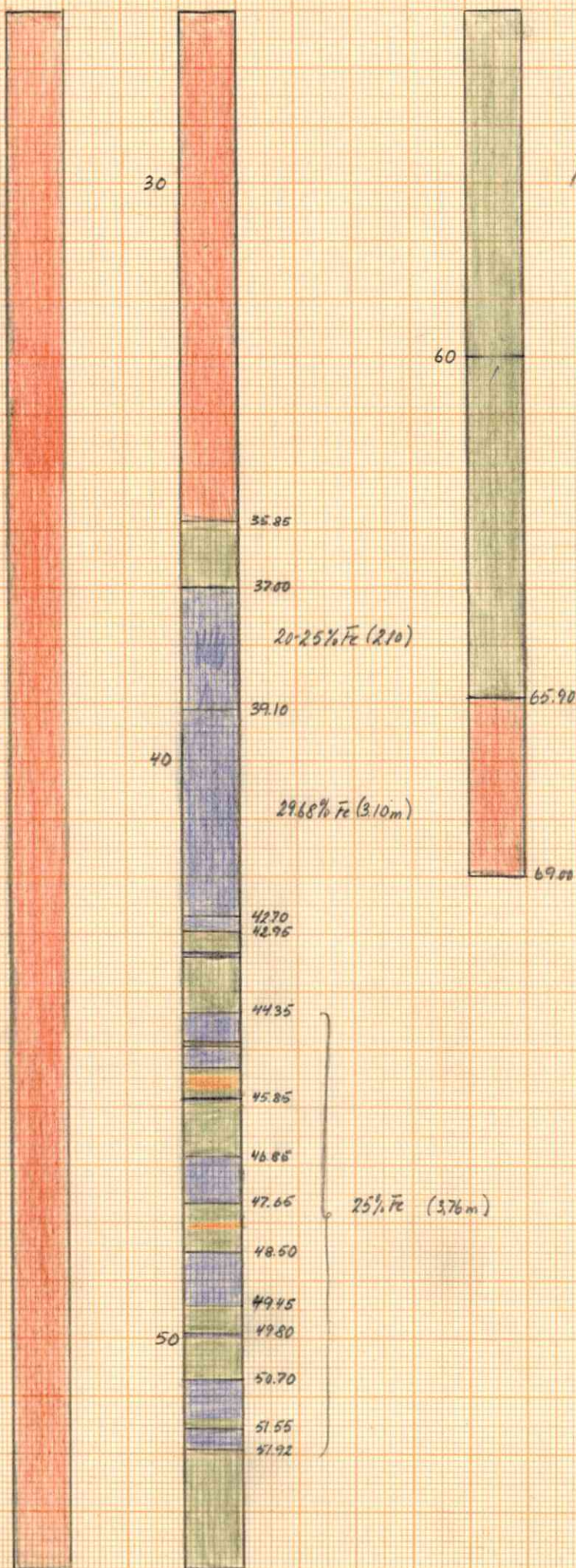
Borhull Nr 5.

45° mot S

M. 1:100

X=1574, Y=836,7, H=246



$$X=1724, Y=835, H=265$$


Nedre Bergmester

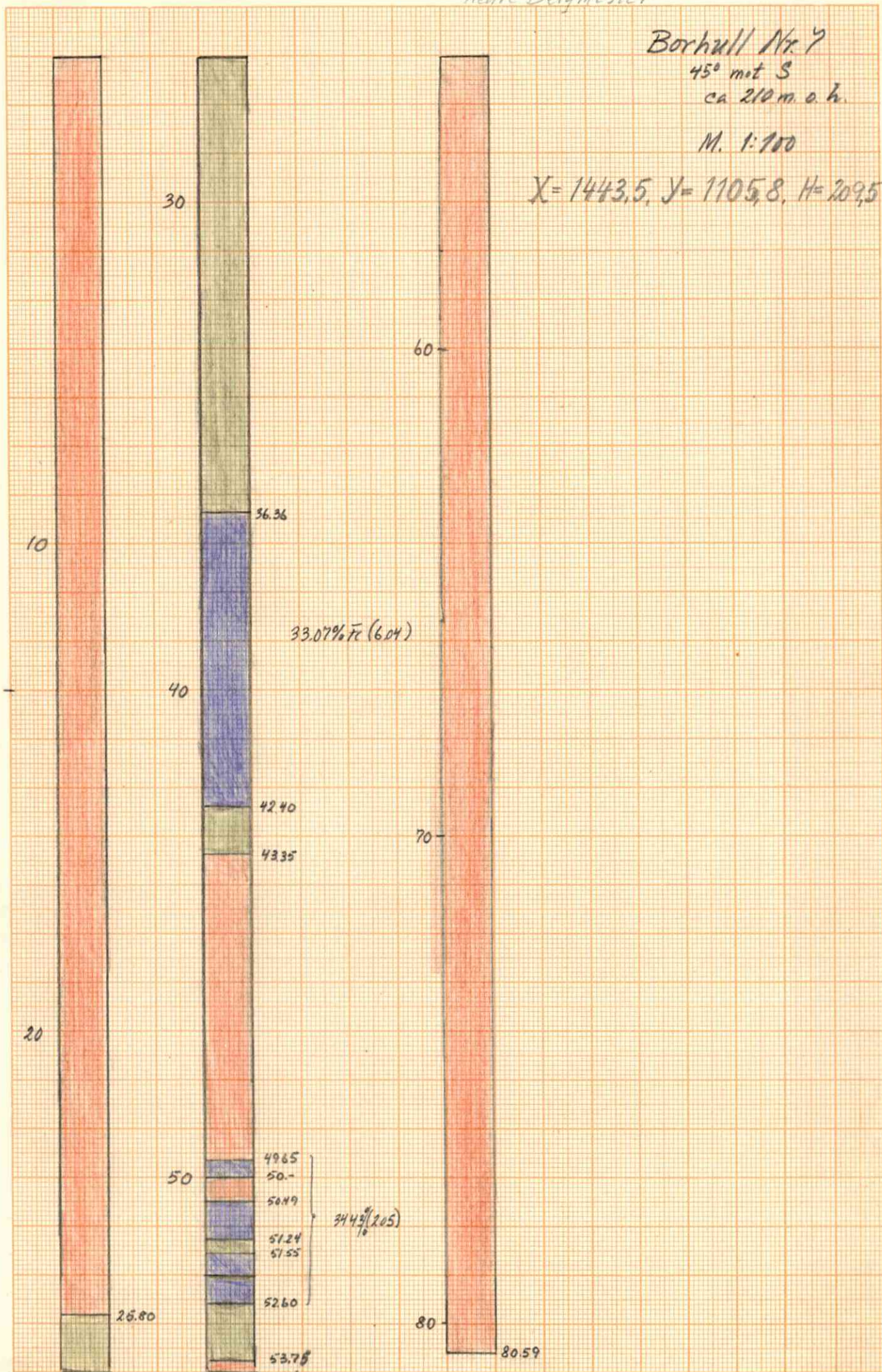
Borhull Nr. 7

45° mot S

ca 210 m. o. h.

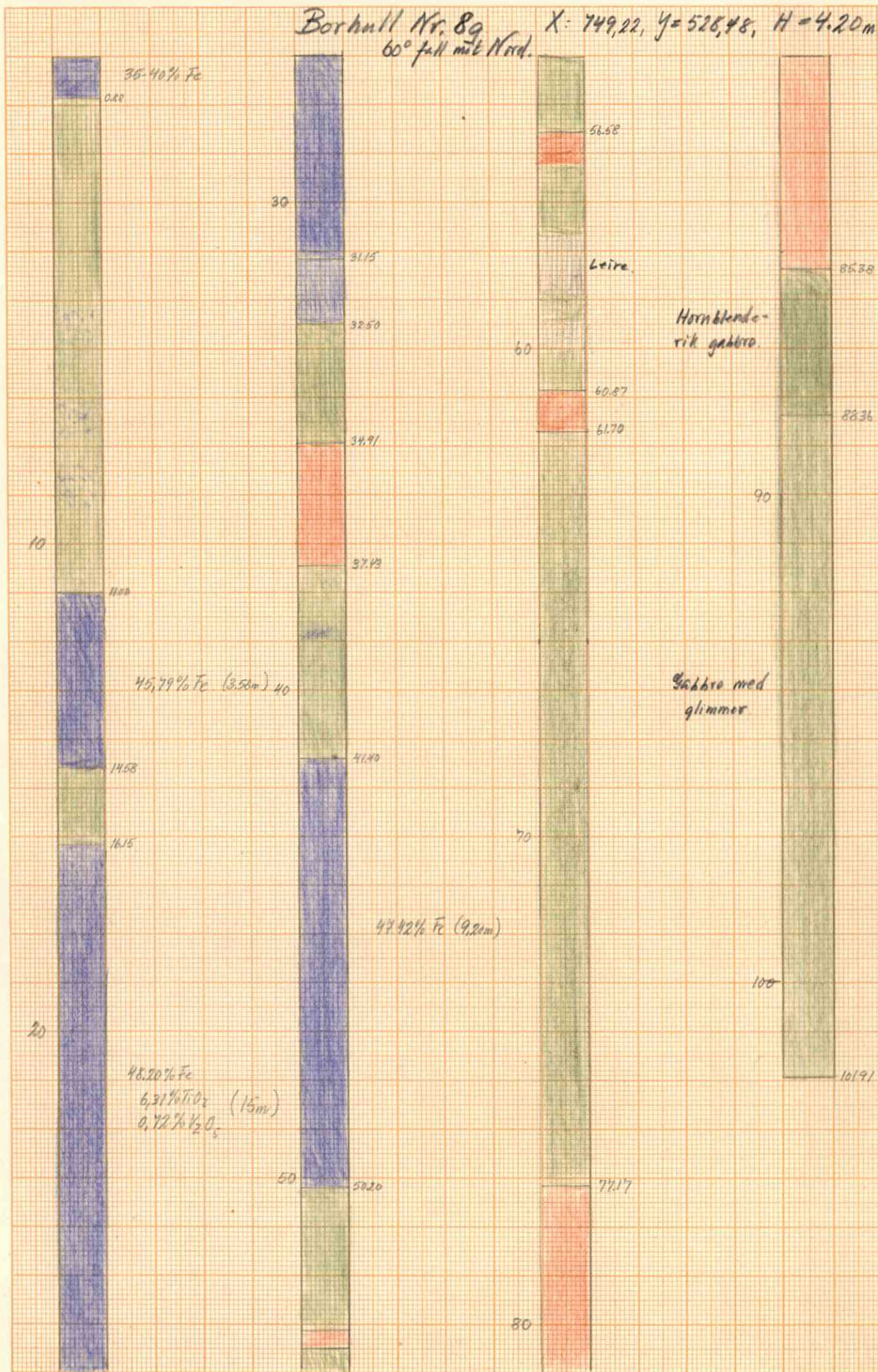
M. 1:100

$X = 1443,5$, $Y = 1105,8$, $H = 209,5$



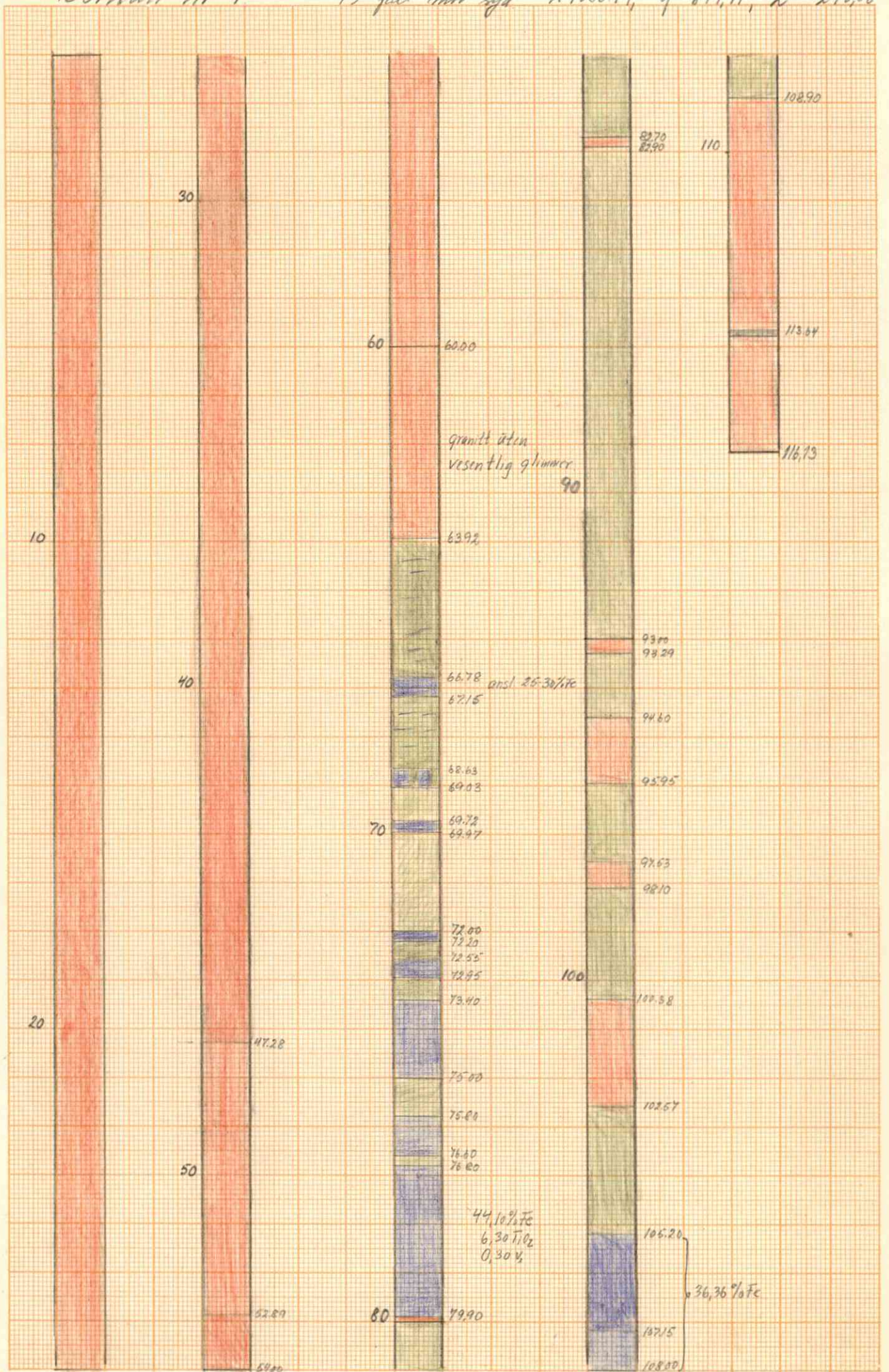
Borhull Nr. 89
60° fall mot Nord.

X: 749,22, Y: 526,48, H = 4.20 m



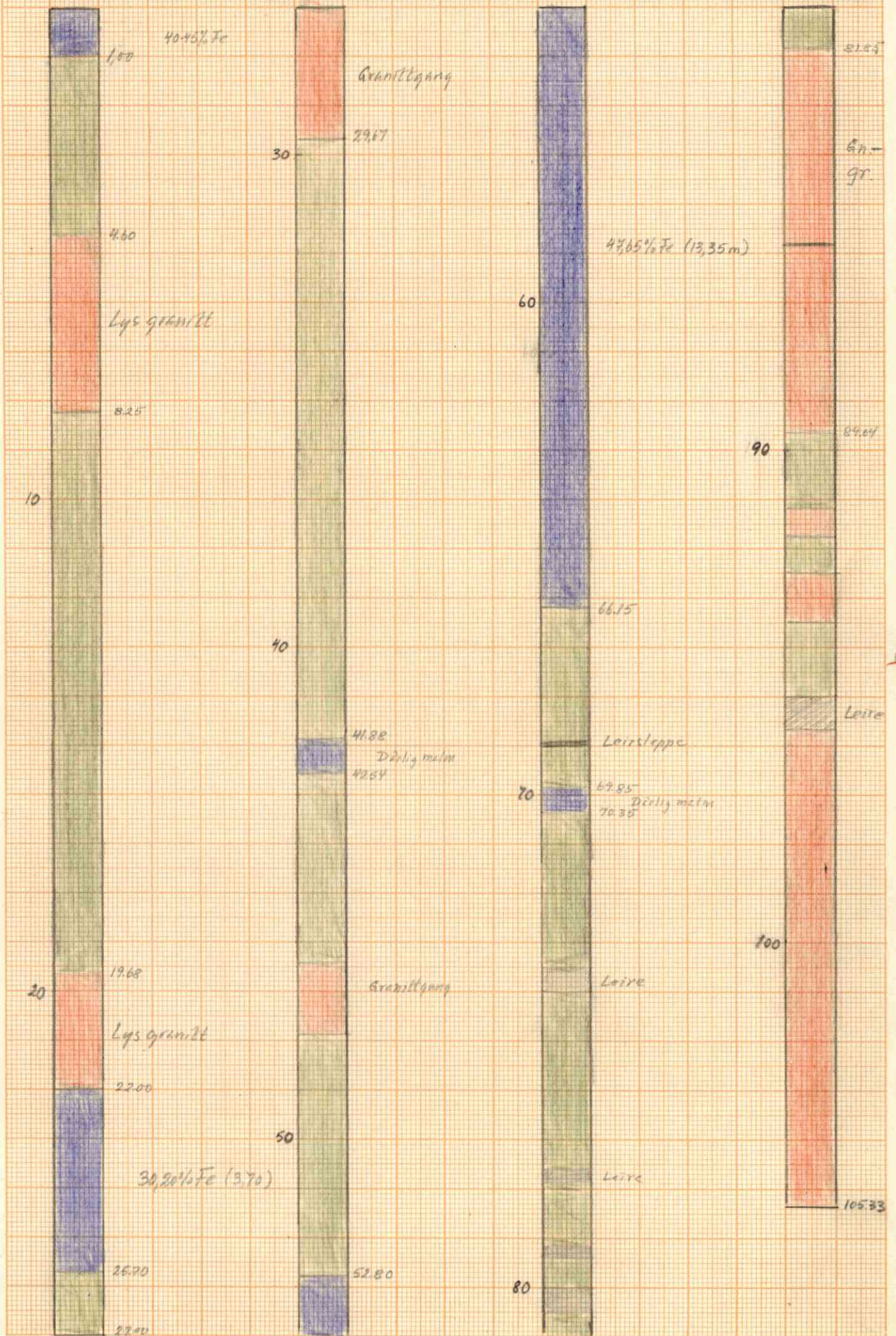
Borhull nr 9

45° fall mot syd X=158699, Y=87971, Z=240,00



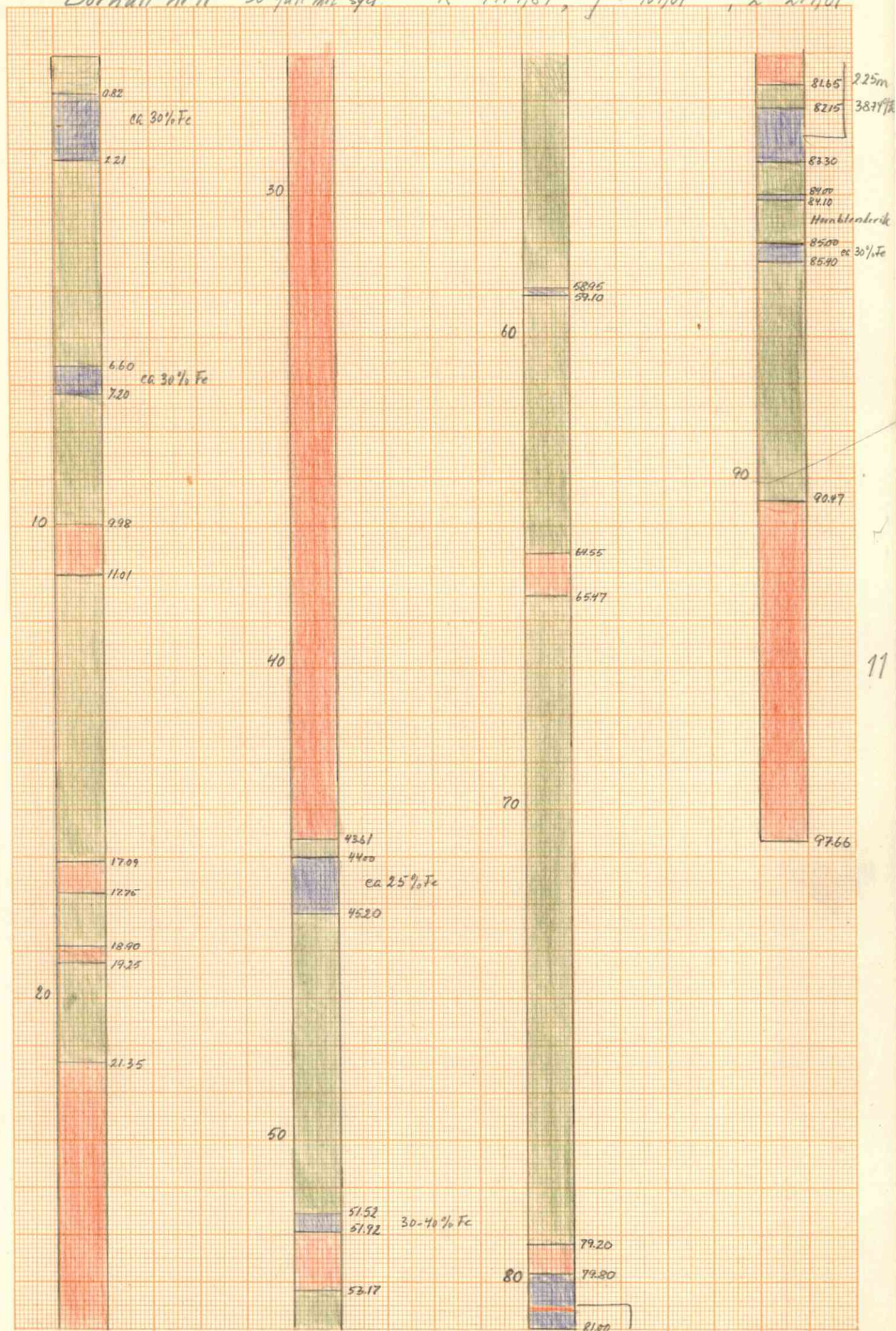
Borhull Nr 10g. 45° fall mot S

X = 707.95, Y = 584.08
Z = 4.20 m.



Borhull nr 11 30° fall mot syd

$X = 1417,87$, $Y = 904,61$, $Z = 217,61$



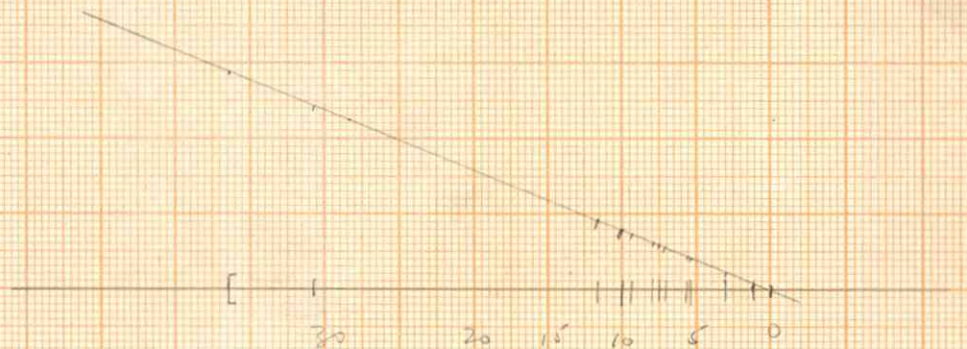
Borhull Nr 12g

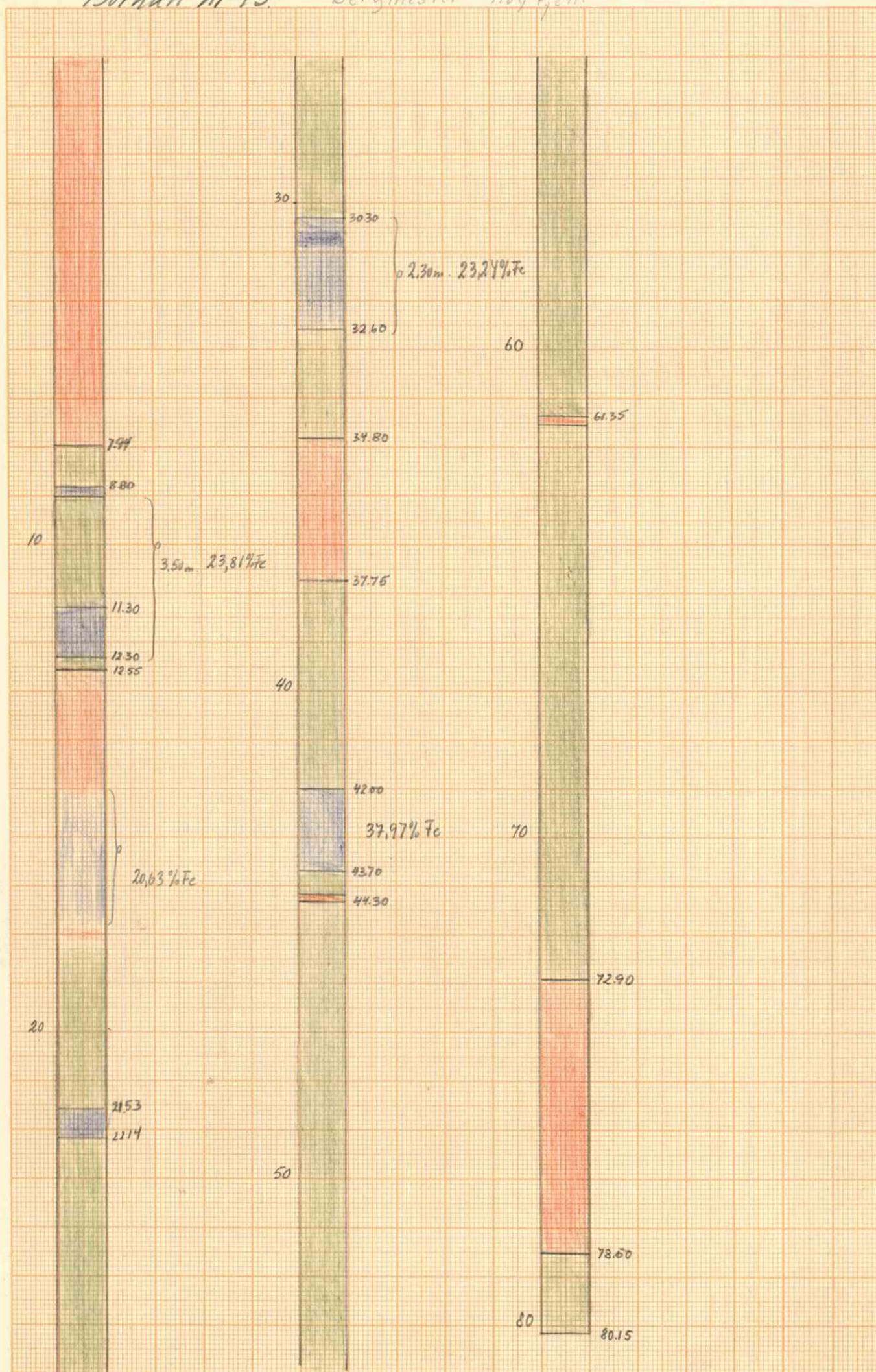
10° fall mot syd

$$X = 787,23$$

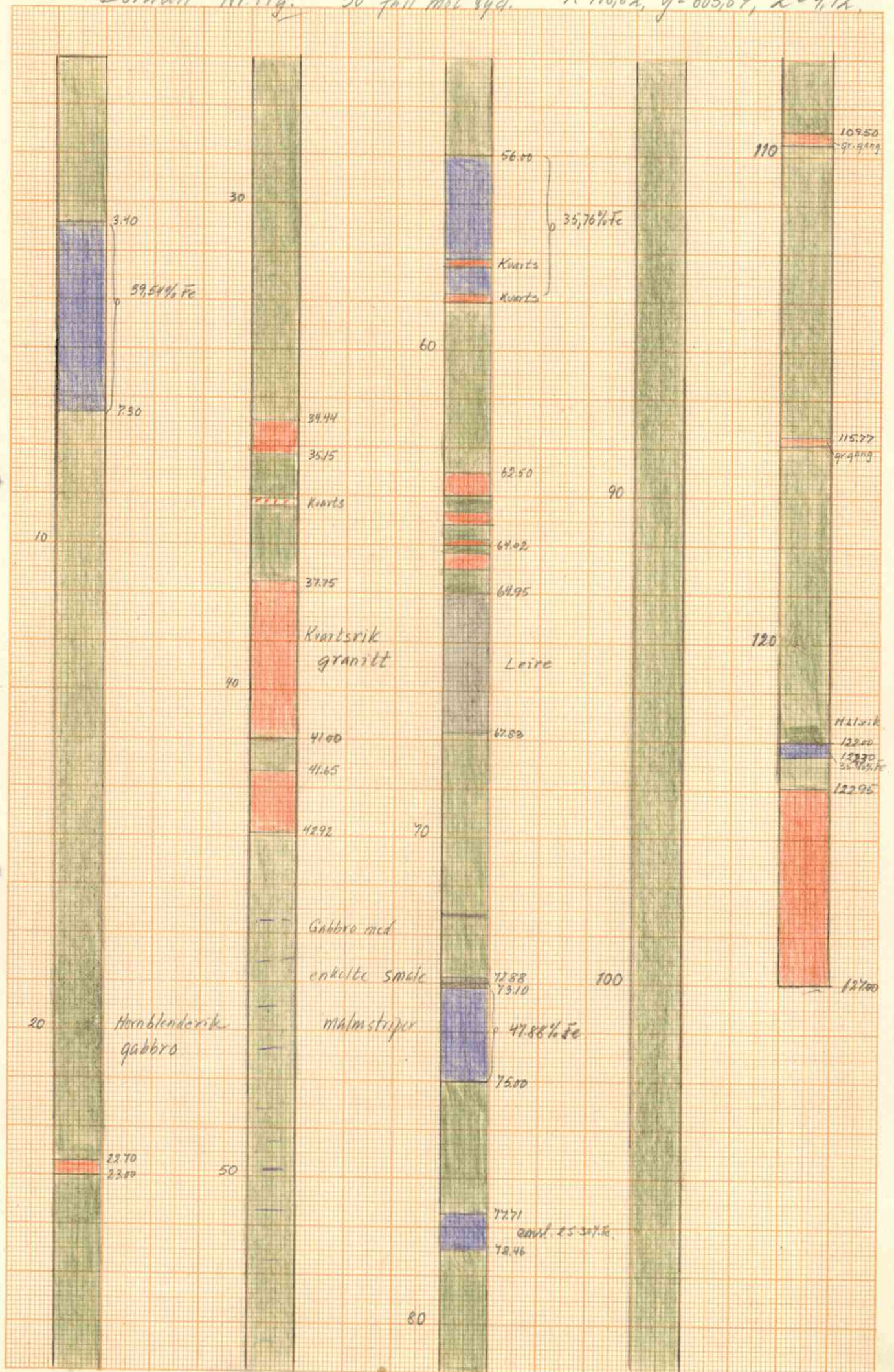
$$Y = 531,73$$

$$Z = 4,76$$



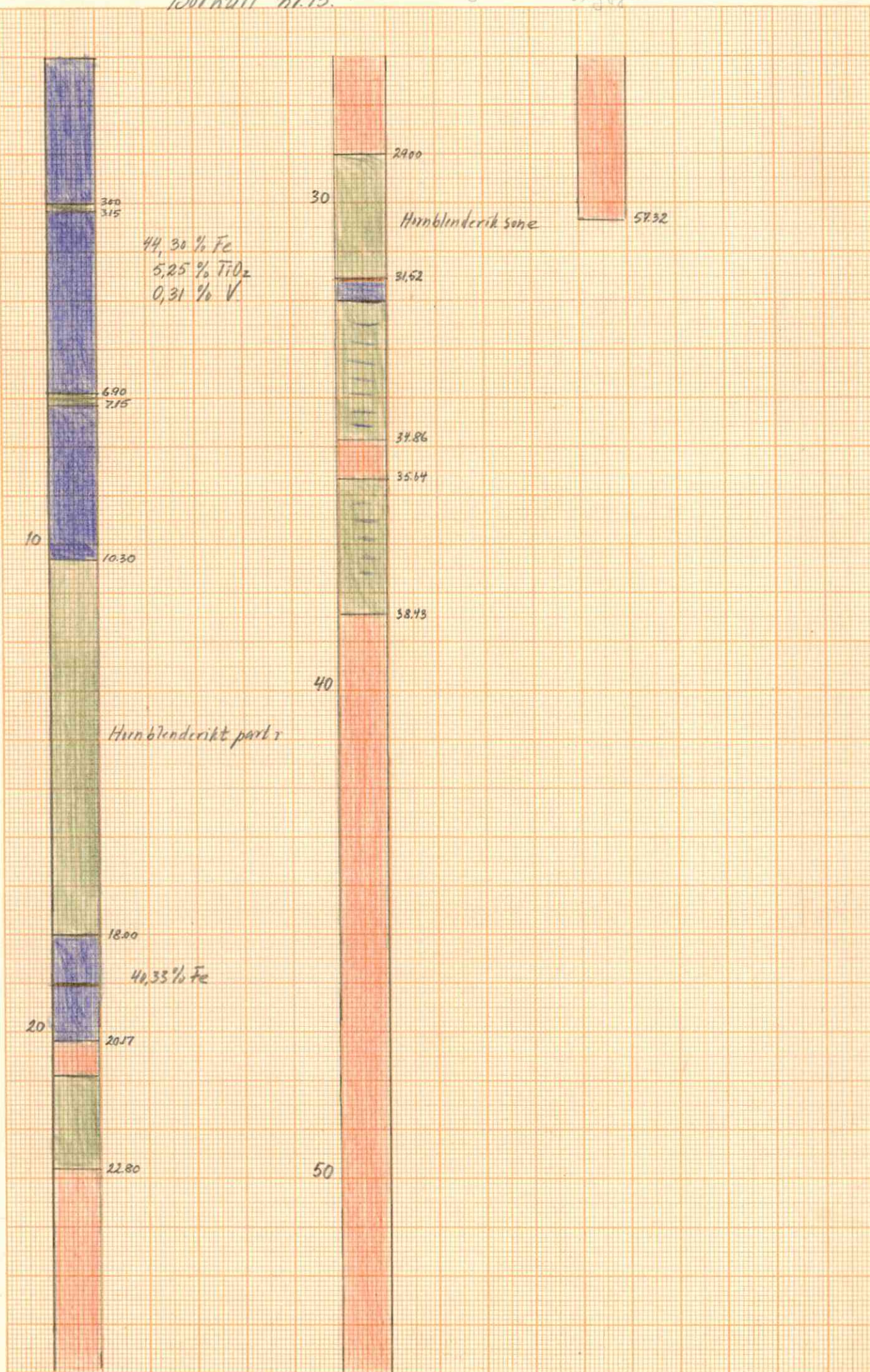


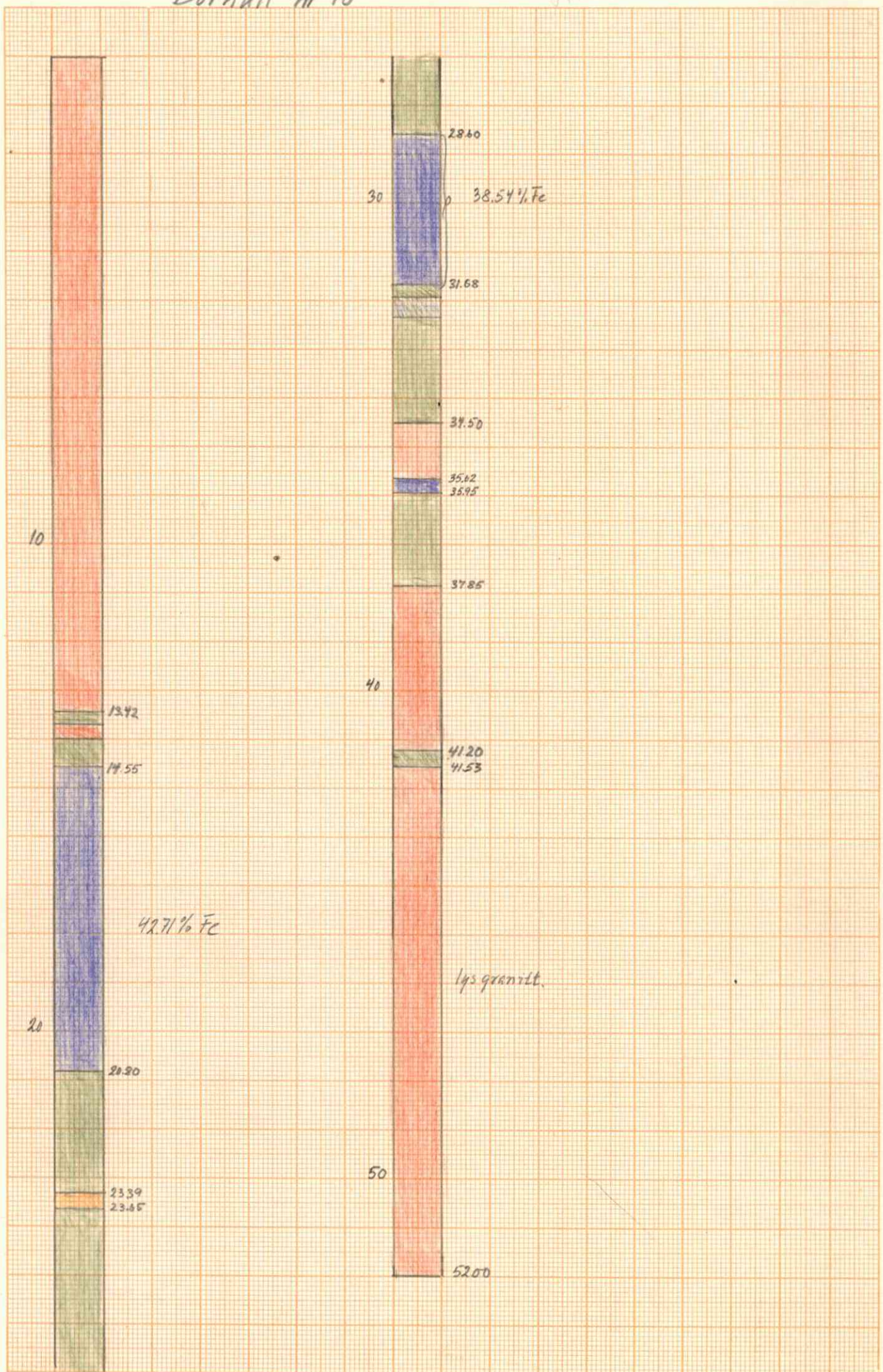
Borhull Nr. 14g. 30° fall mot syd. X=798,82, Y=605,67, Z=472.



Borhull nr. 15.

Bergmästar hög fjell



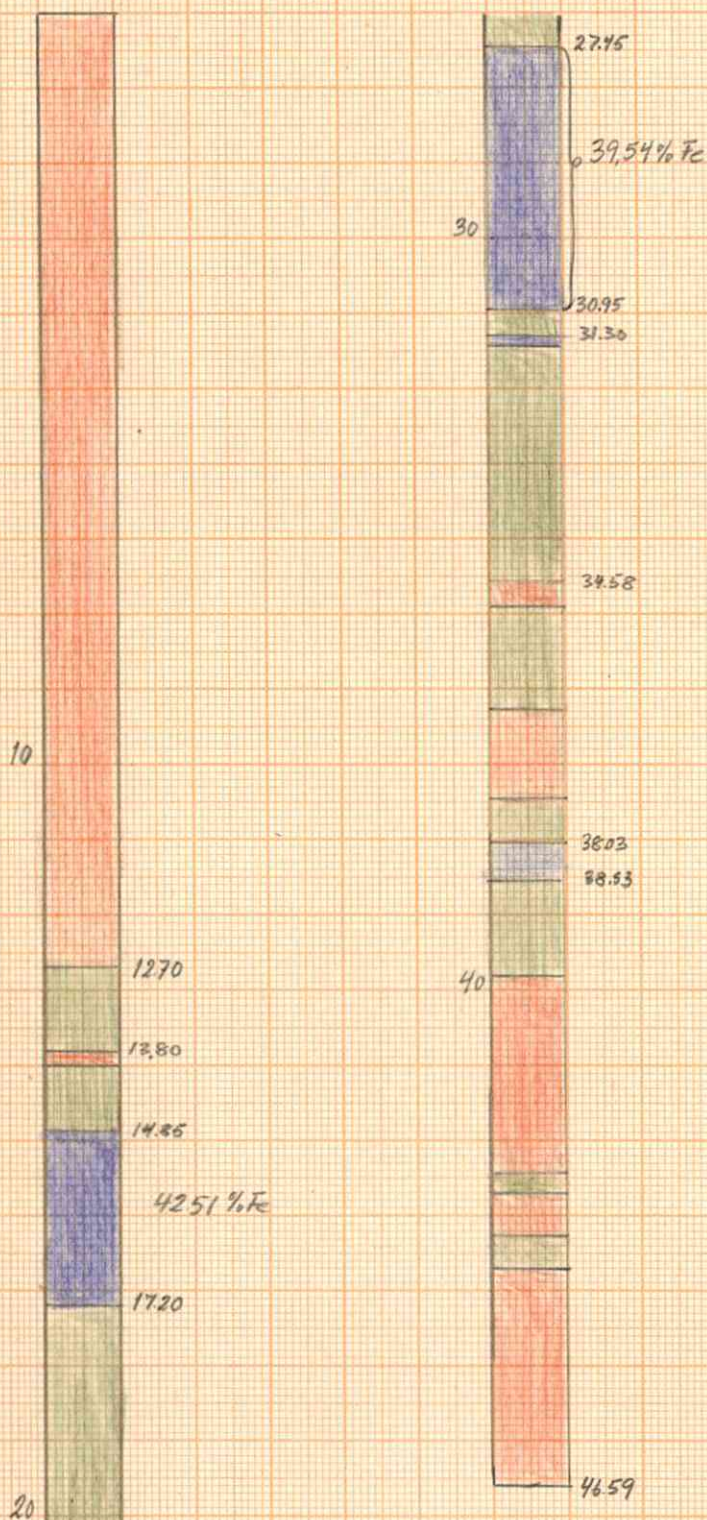


Borhull Nr 17g. 45° full mot Nord. X=654,69, Y=593,46, X=2,46



Borhall nr. 18.

B. høyhjul



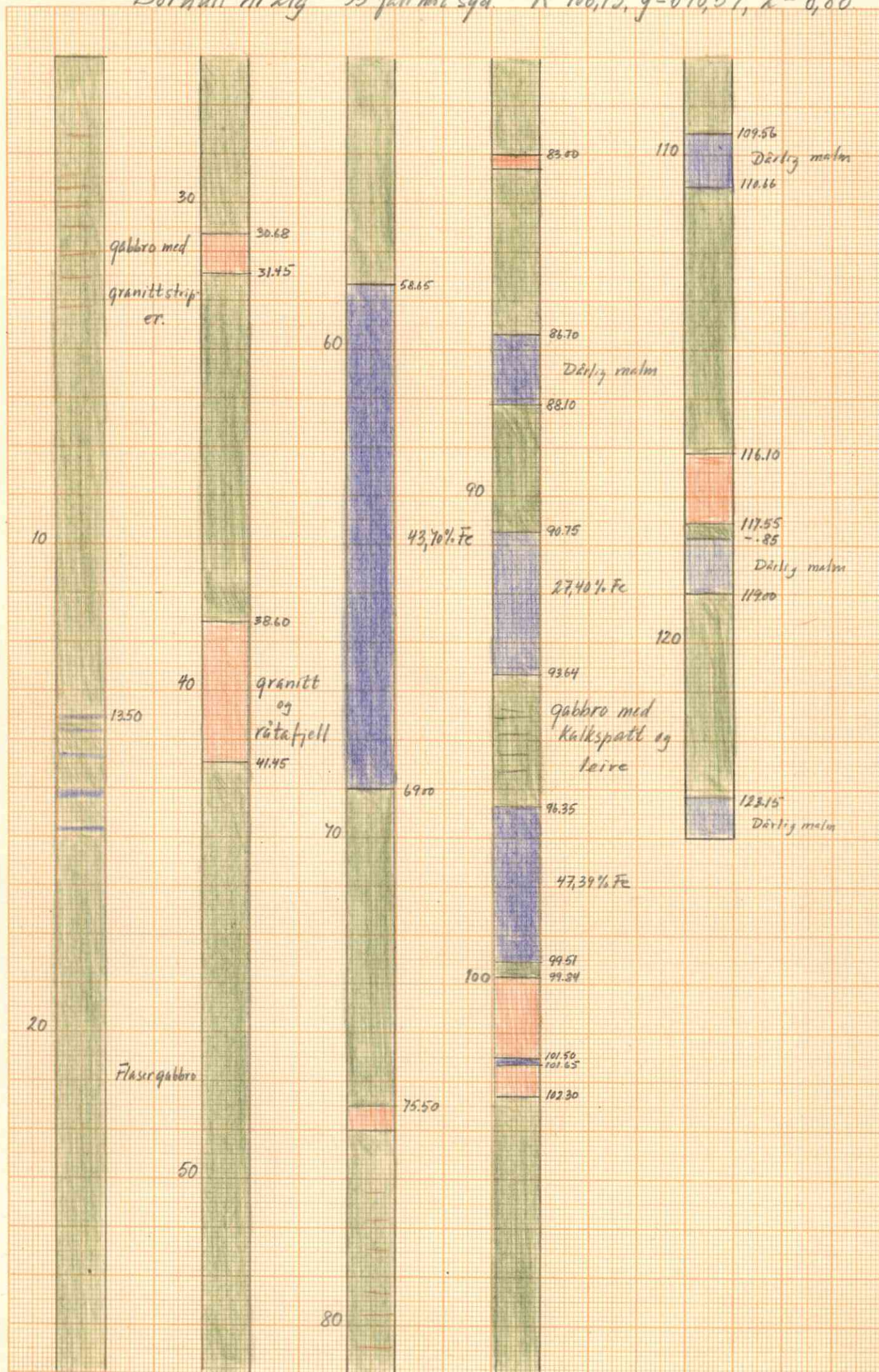
18

Wayfield



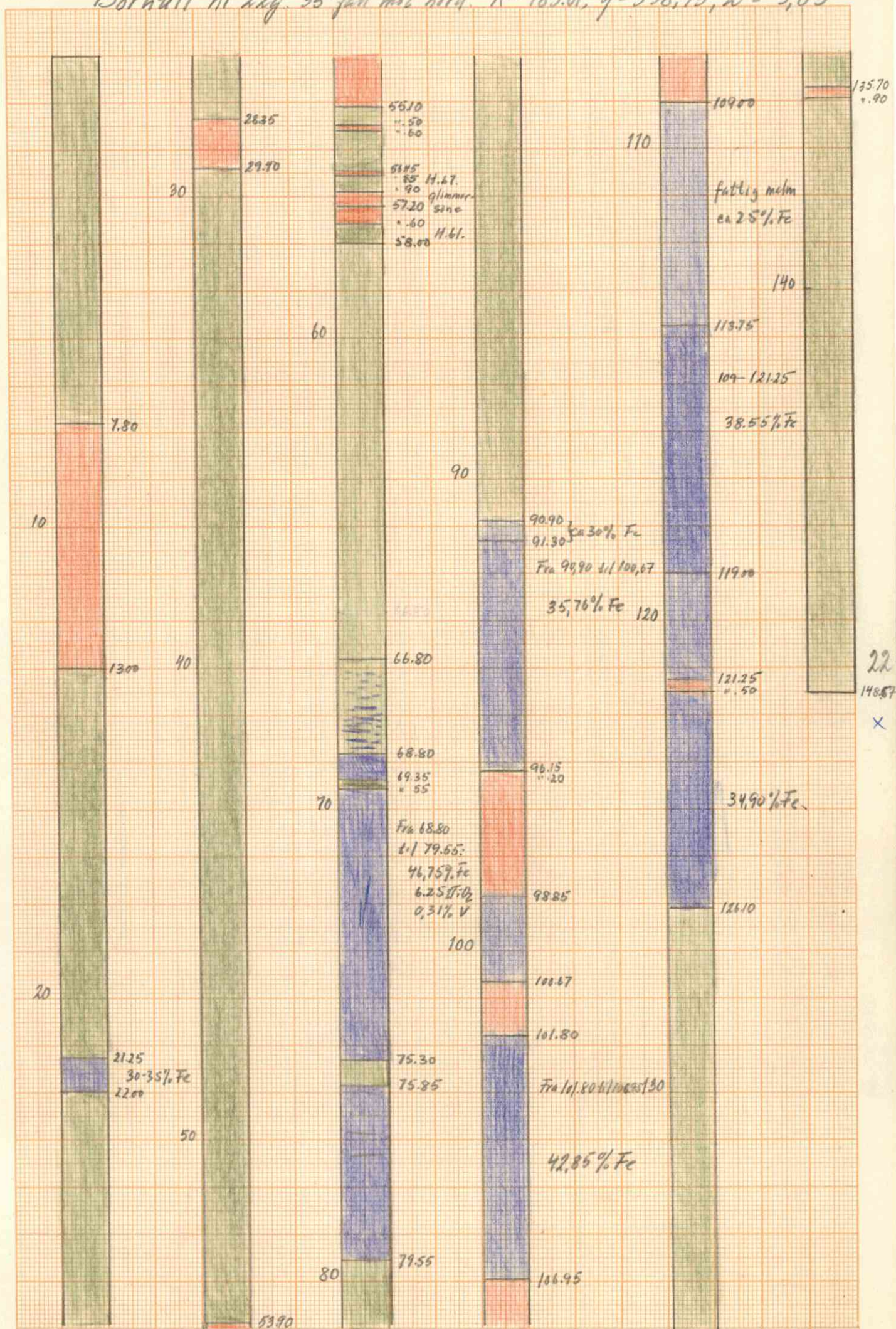


Borhull nr 21g 35° fall mot syd. $X=706,73, Y=640,57, Z=6,86$



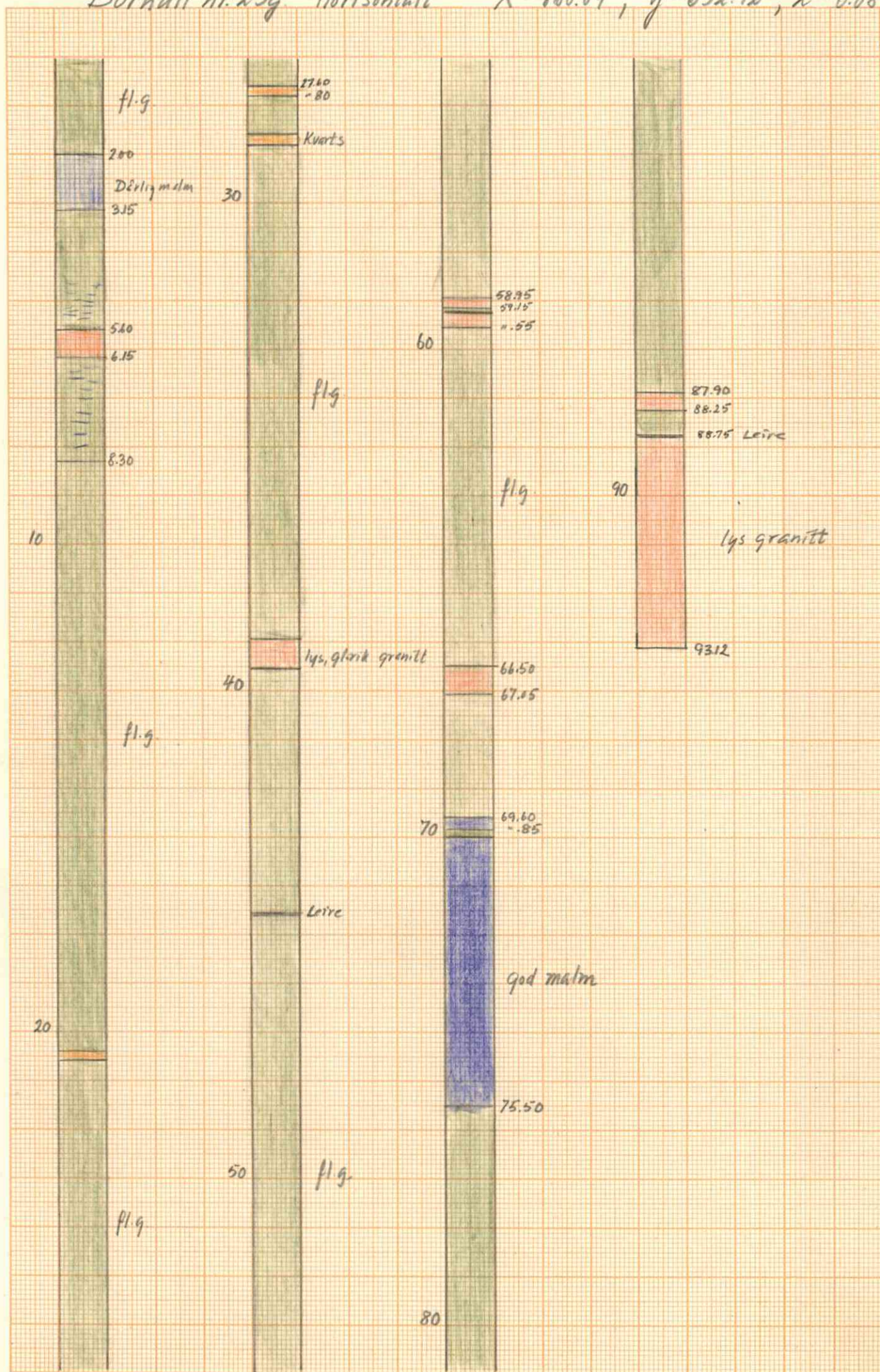
21

Borhull nr 22g. 35° fall mot nord. $X = 785.01$, $Y = 538.45$, $Z = 5.03$



Borhull nr. 23g Horizontalt

$X = 860.04$, $Y = 632.42$, $Z = 6.08$



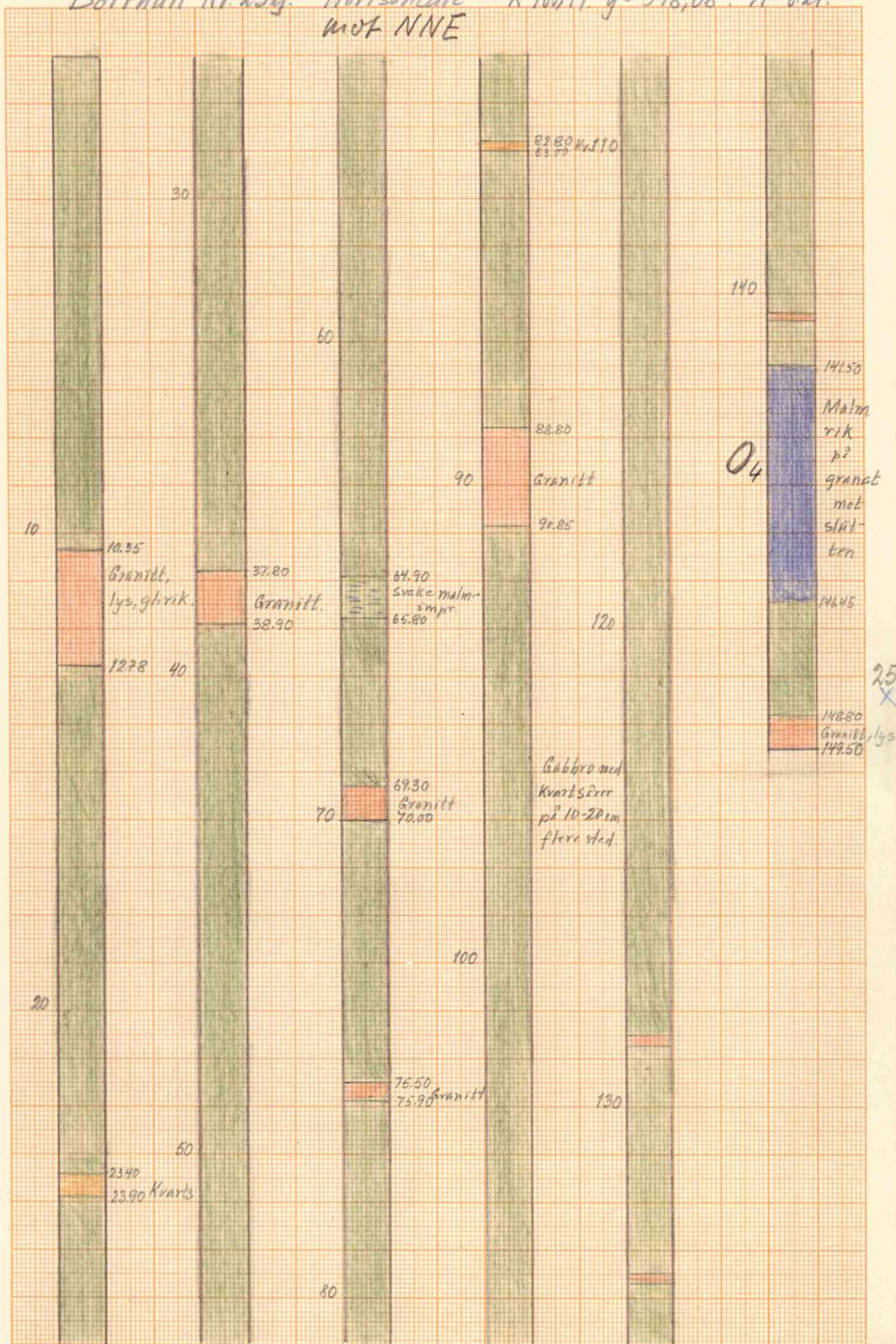
23
X
X

Borrhull nr 24g. Horisontalt X=861,46, Y=631,63, H=6,15



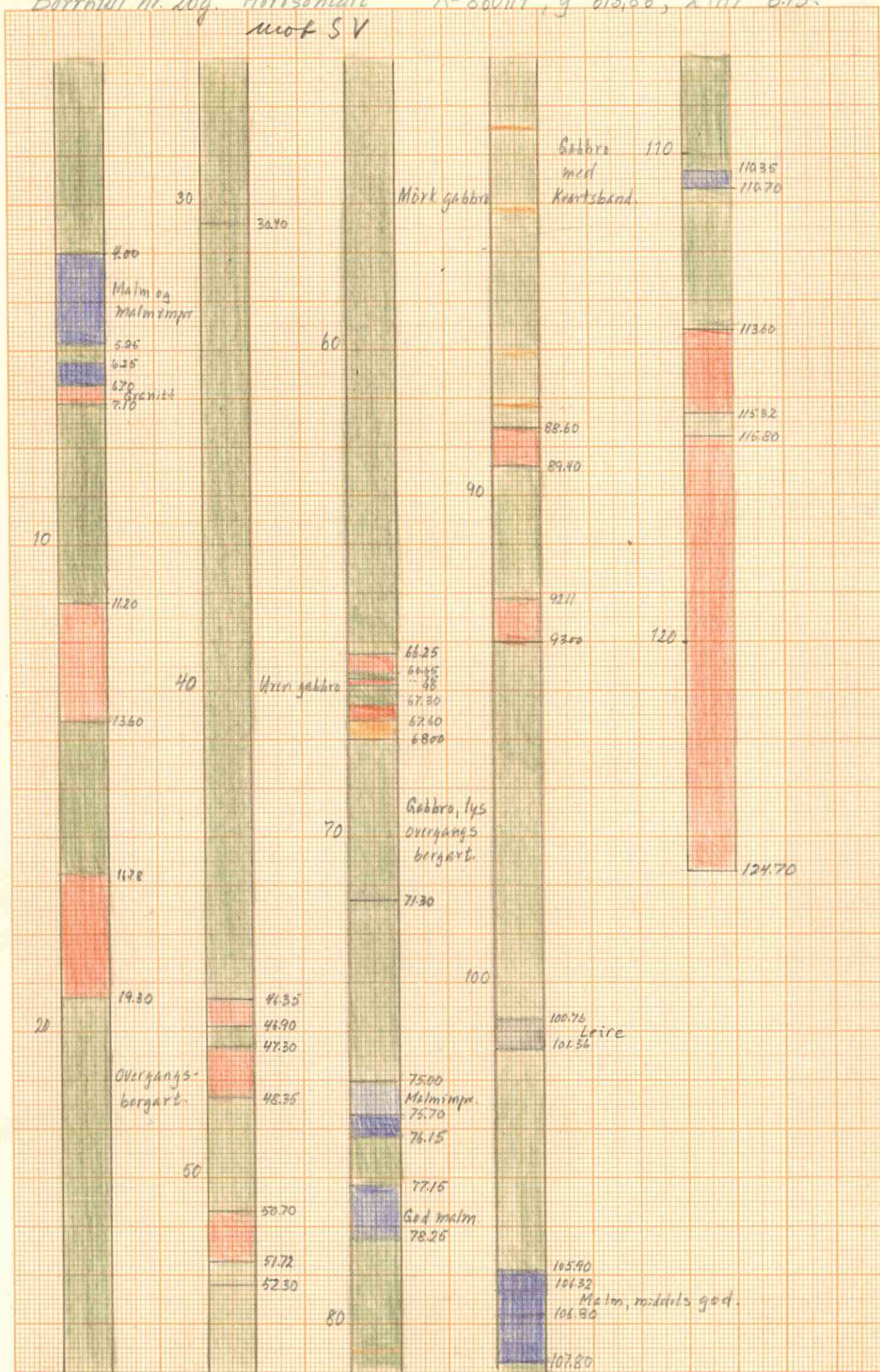
24
X

Borrhull Nr. 25g. Horisontalt mot NNE X=760,94 Y=598,68. H=6.21.

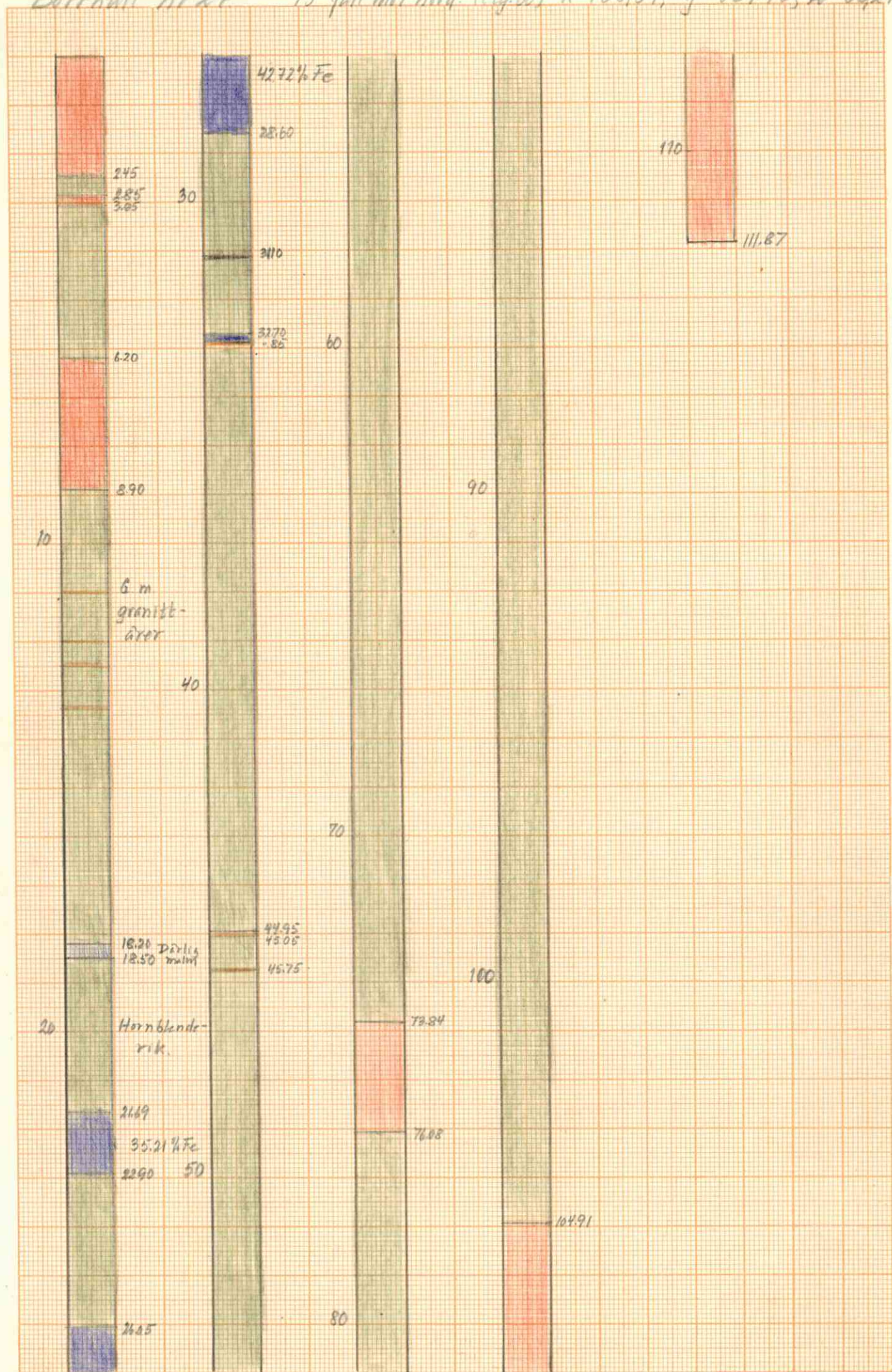


Borrhull nr. 26g. Horizontalt
mot SV

X = 860.14, Y = 613.86, Z(H) = 6.15.



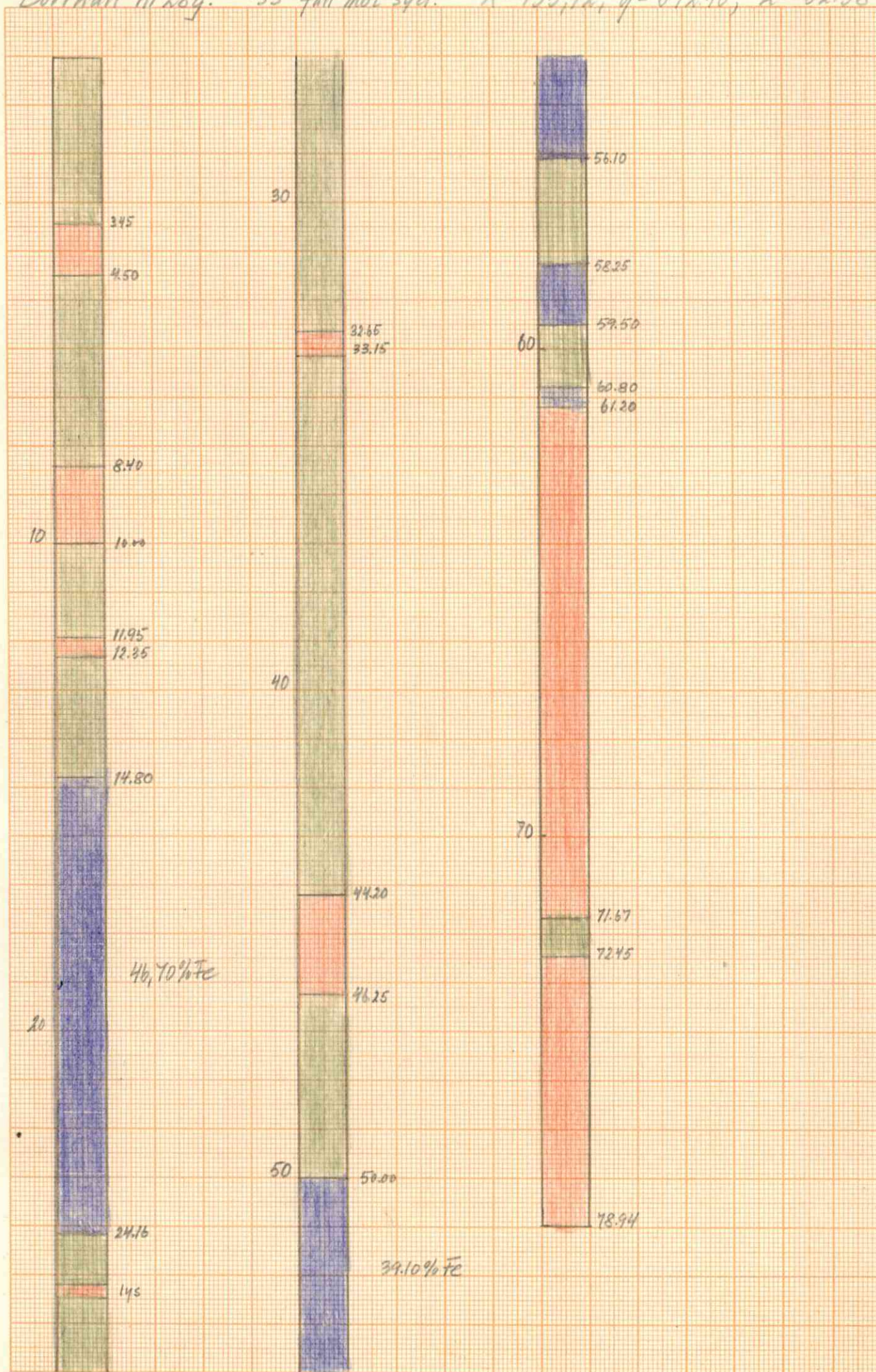
Berrhull nr 27 45° fall mot nord. (ctg. 60) $X=938,54$, $Y=639,40$, $K=63,27$



R.A. nr 938

27
x

Borrhull nr 28g. 55° fall mot Syd. $X = 935,42$, $Y = 692,40$, $Z = 62,58$



28
x

Borrhull nr 29g. Fall: 45° Syd. $X=997,98, Y=696,31, Z=64,26$



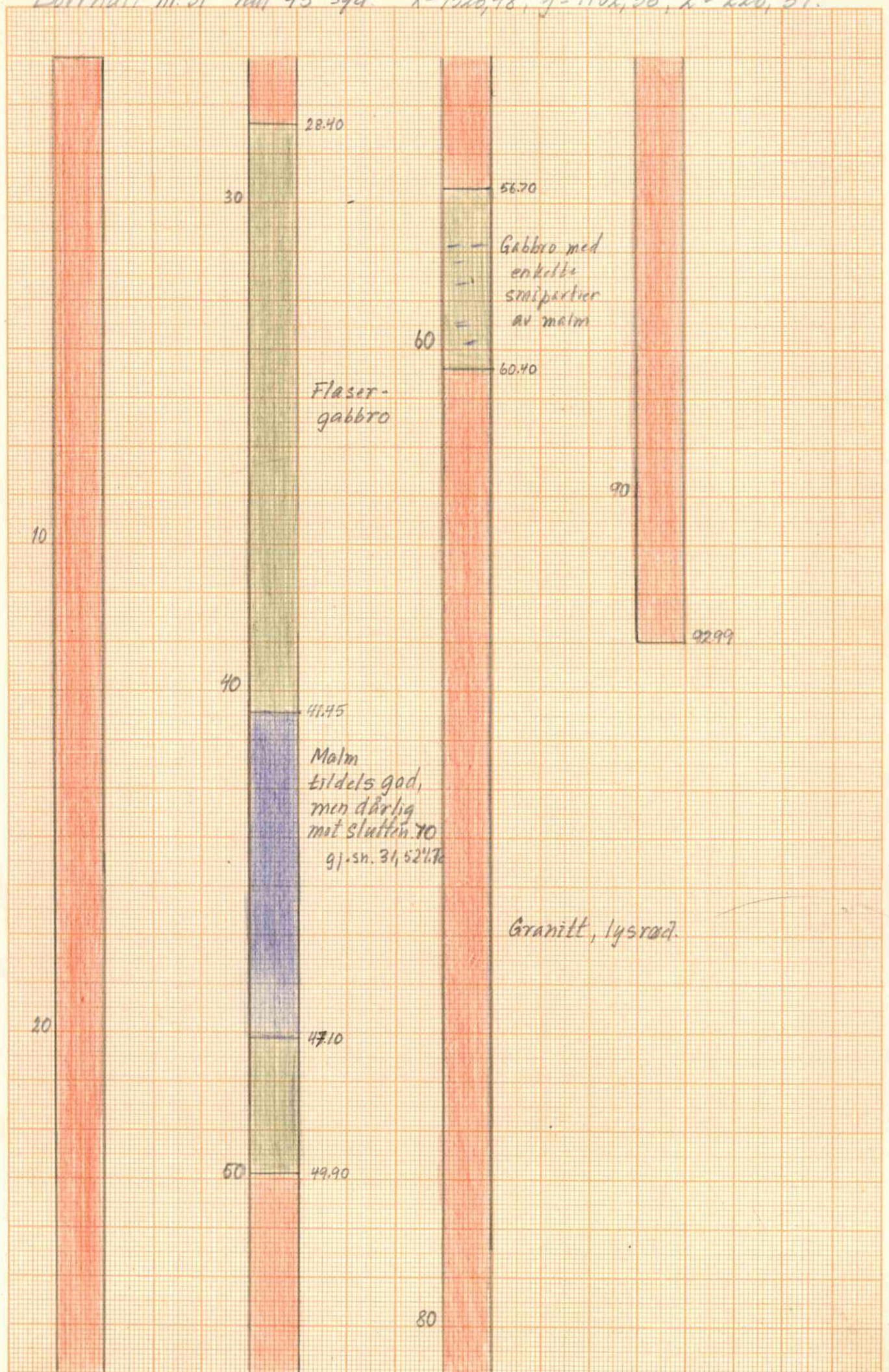
Borrhult nr. 30 g.

Loddrett.

X=1691,65, Y=1064,65, Z=236,28



Borrhult nr 31 Fall 45° syd X=1526,48, Y=1102,36, Z=226,34.



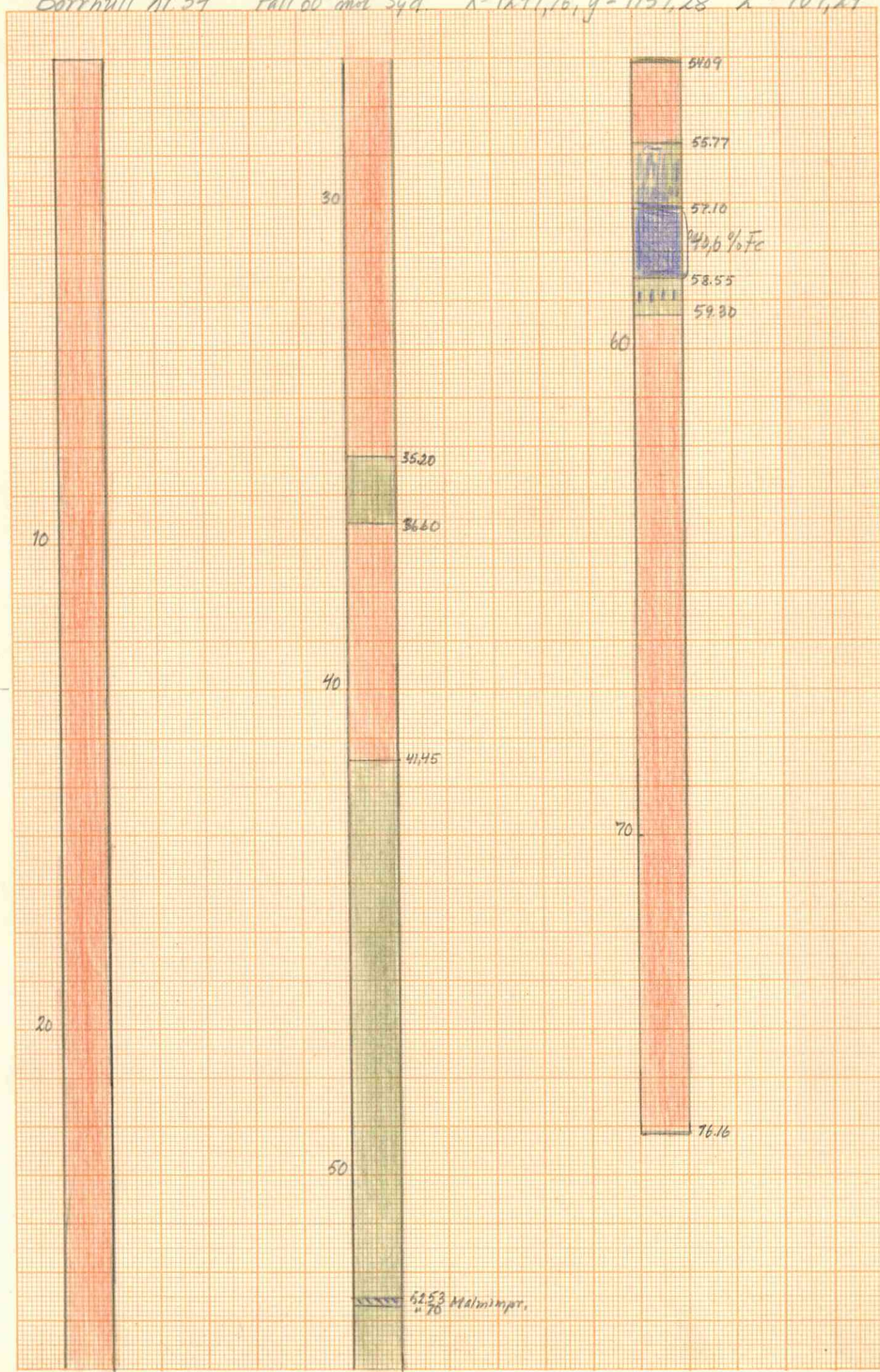
Borrhull nr 32. Loddrett, X=1487,30, Y=993,51, Z=234,00



Borrhull nr. 33-Loddrett, $X=1349,03$, $Y=999,68$, $Z=212,38$.



Borrhull nr 34 Fall 60° mot Syd X=1297,76, Y=1159,28 Z=169,24



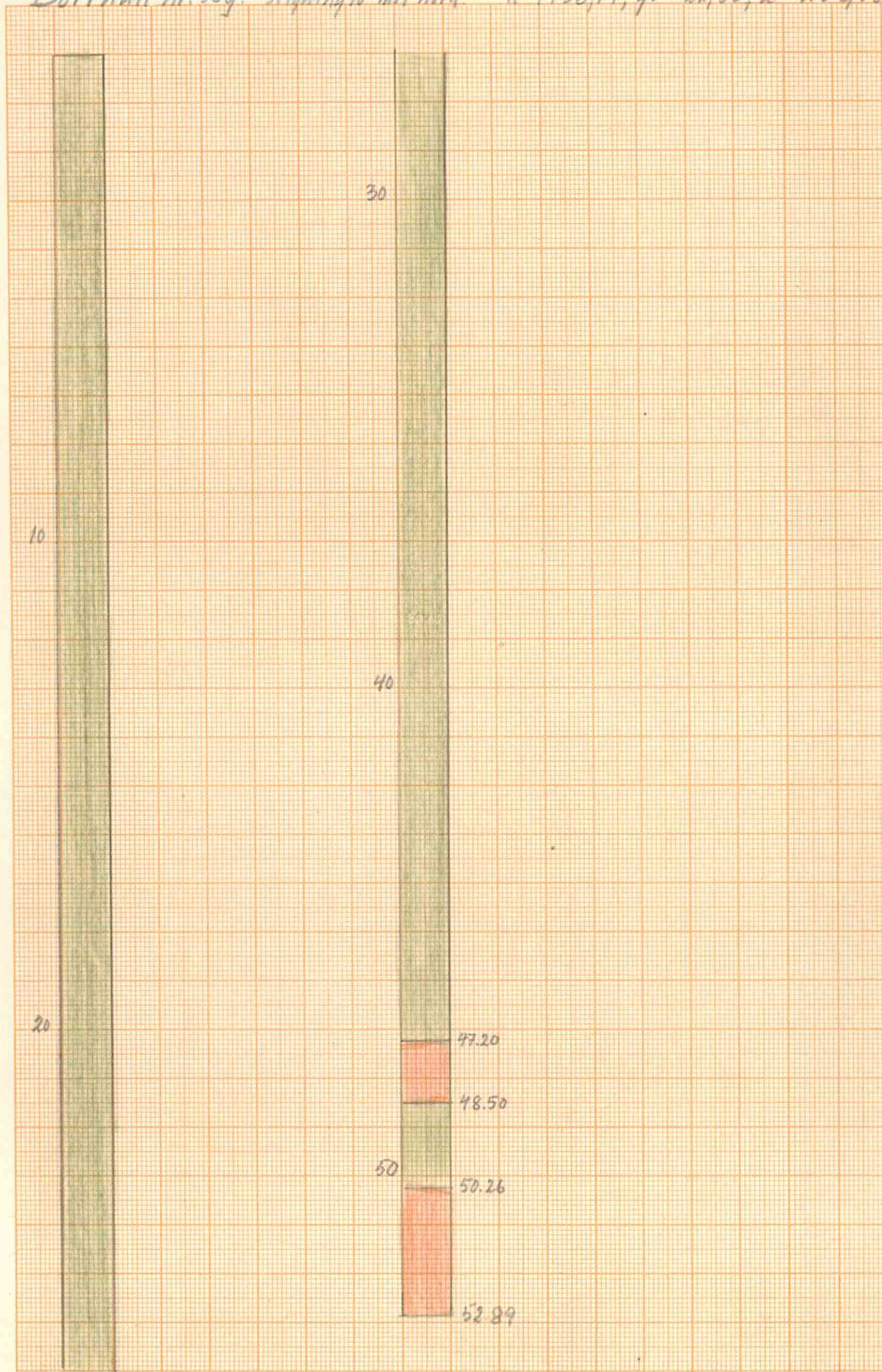
34

Borrhull nr 35g, Horisontalt, $X=1755,00$, $Y=1018,37$, $Z=238,47$
 med S.



35

Borrhull nr. 36g. Stigning 10' met nord. $X=1755,77$, $Y=1022,33$, $Z=238,66$



Borrhull nr. 37g, Loddrett, $X = 1438,23$, $Y = 1133,24$, $Z = 149,87$



Borrhull 38g. λ^{234} Horisontalt mot Syd $X=1723,62$, $Y=787,51$, $Z=237,30$

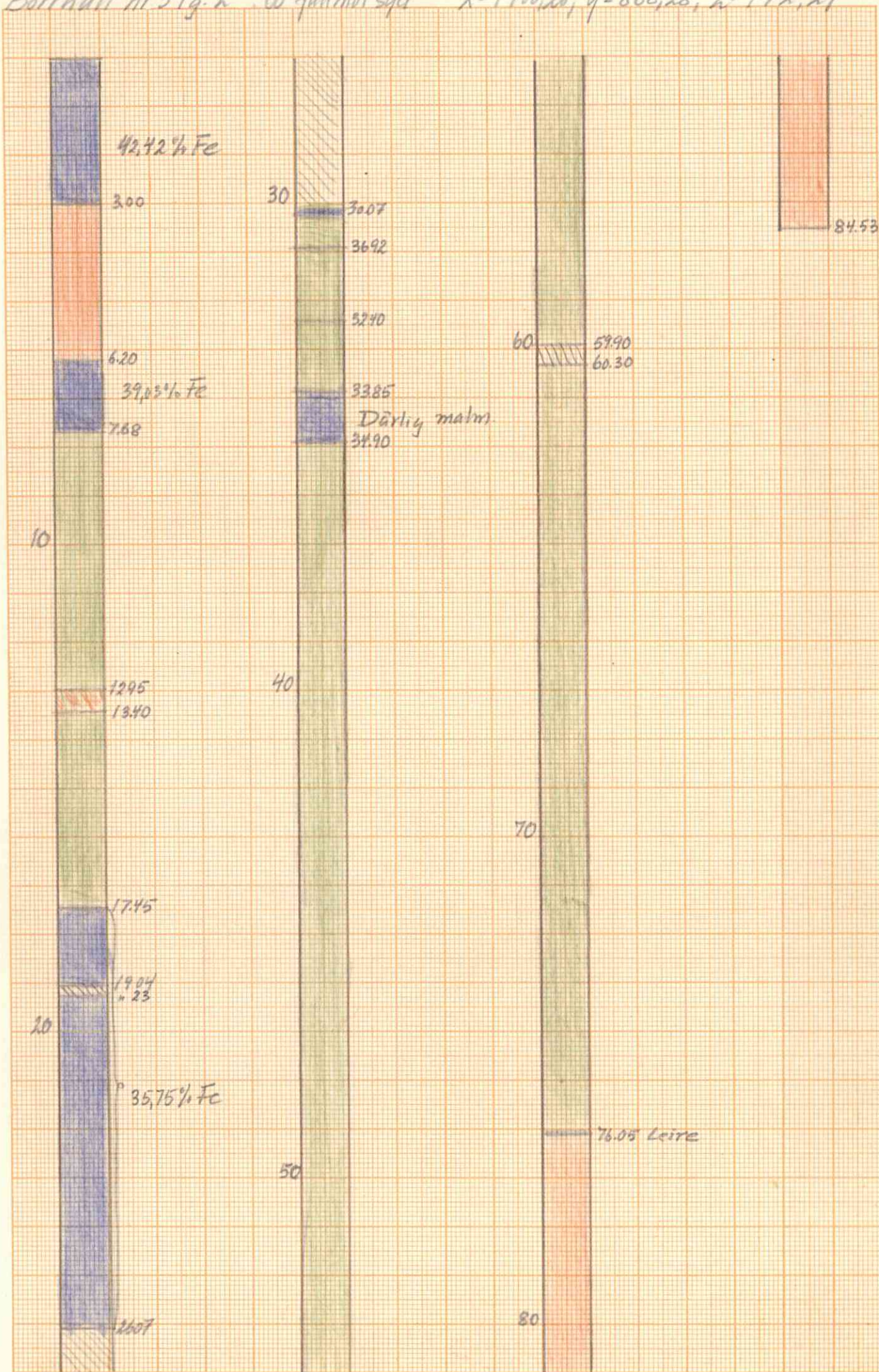
10

1270

20

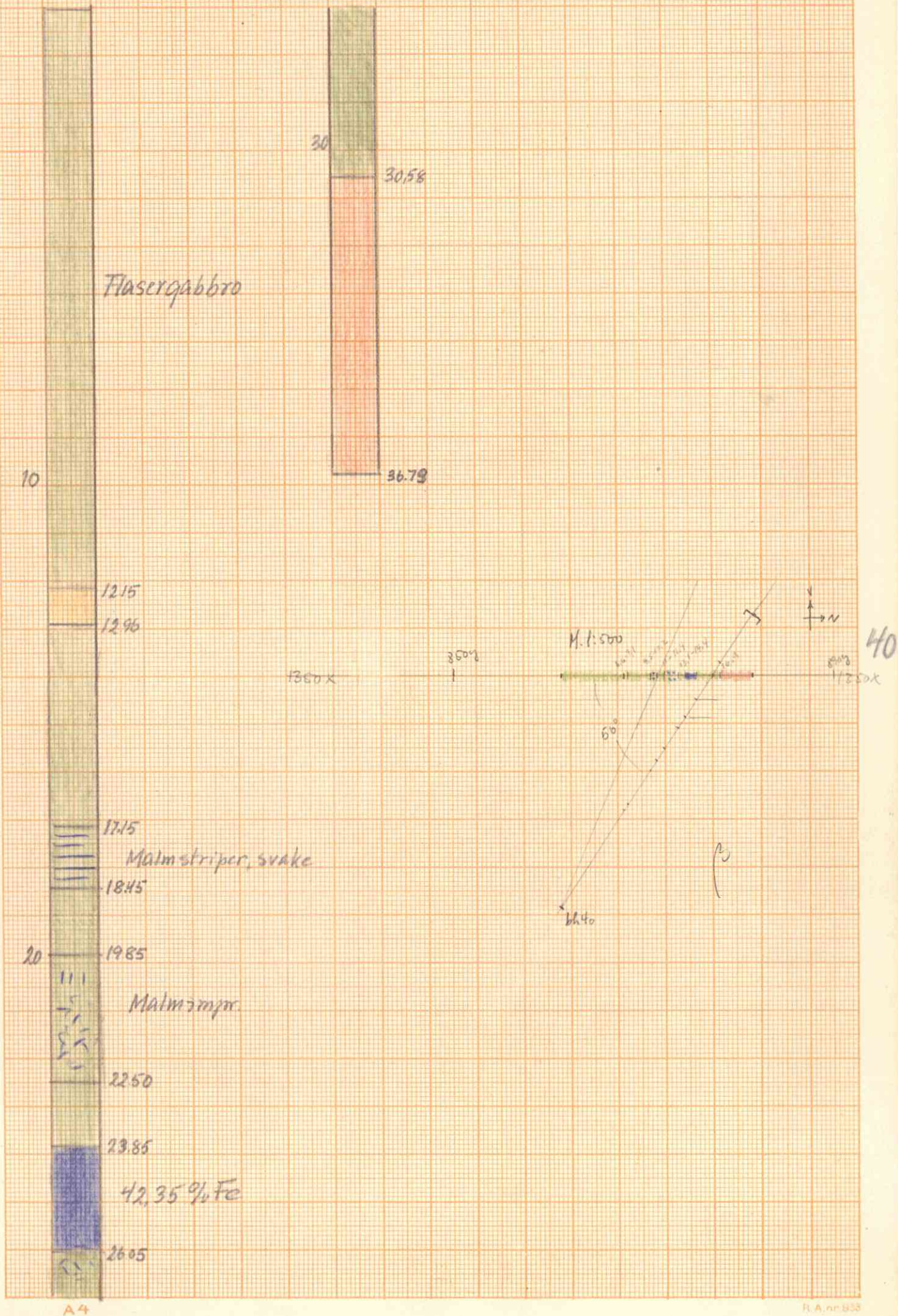
38

Borrhull nr 39 g. Z^{190} 60° fall mot syd $X=1400,20$, $Y=868,28$, $Z=192,24$

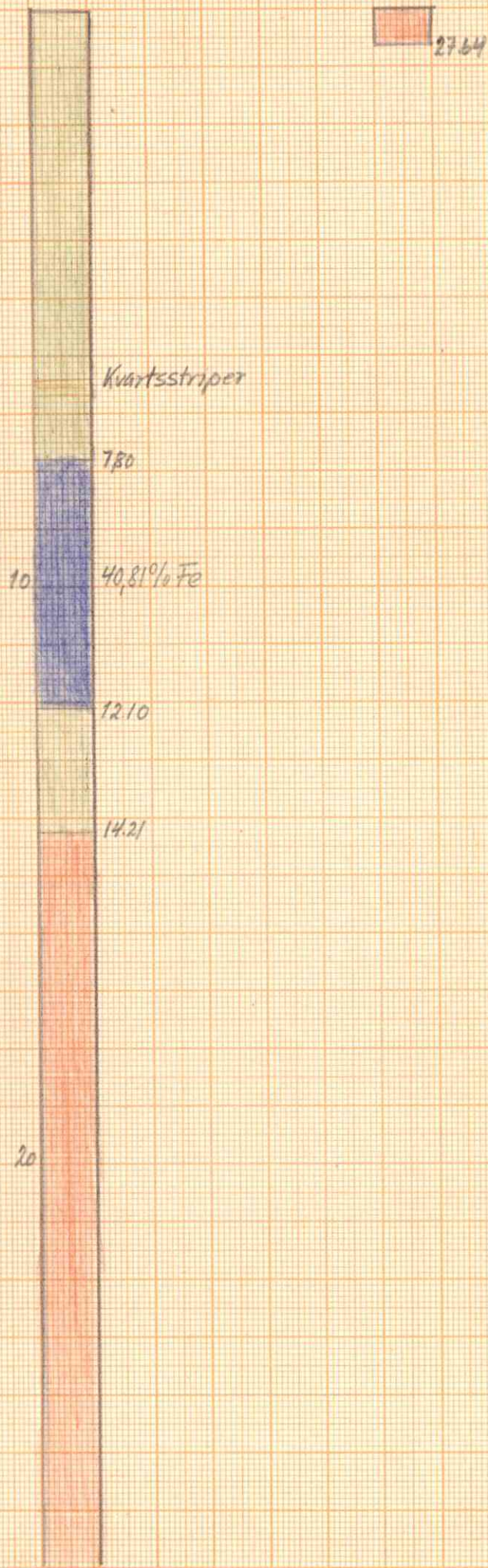


39

Borrhull nr 40g Z¹⁹⁰ 10° fall mot NV. X=1325,94, Y=860,14, Z=192,02

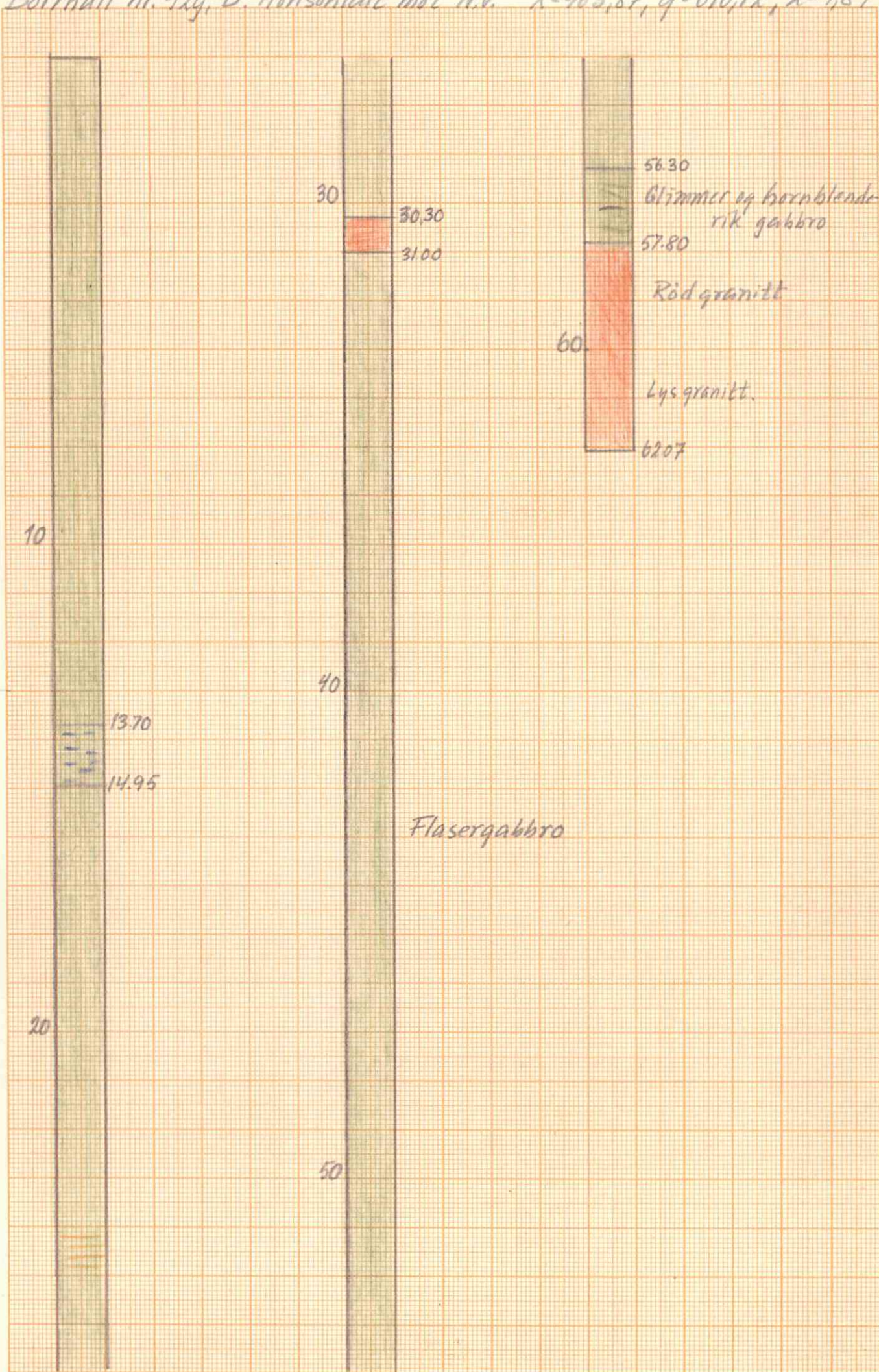


Borrhull nr 4/g D⁴ Horizontalt mot SV. X=963,10, Y=674,95, Z=7,97



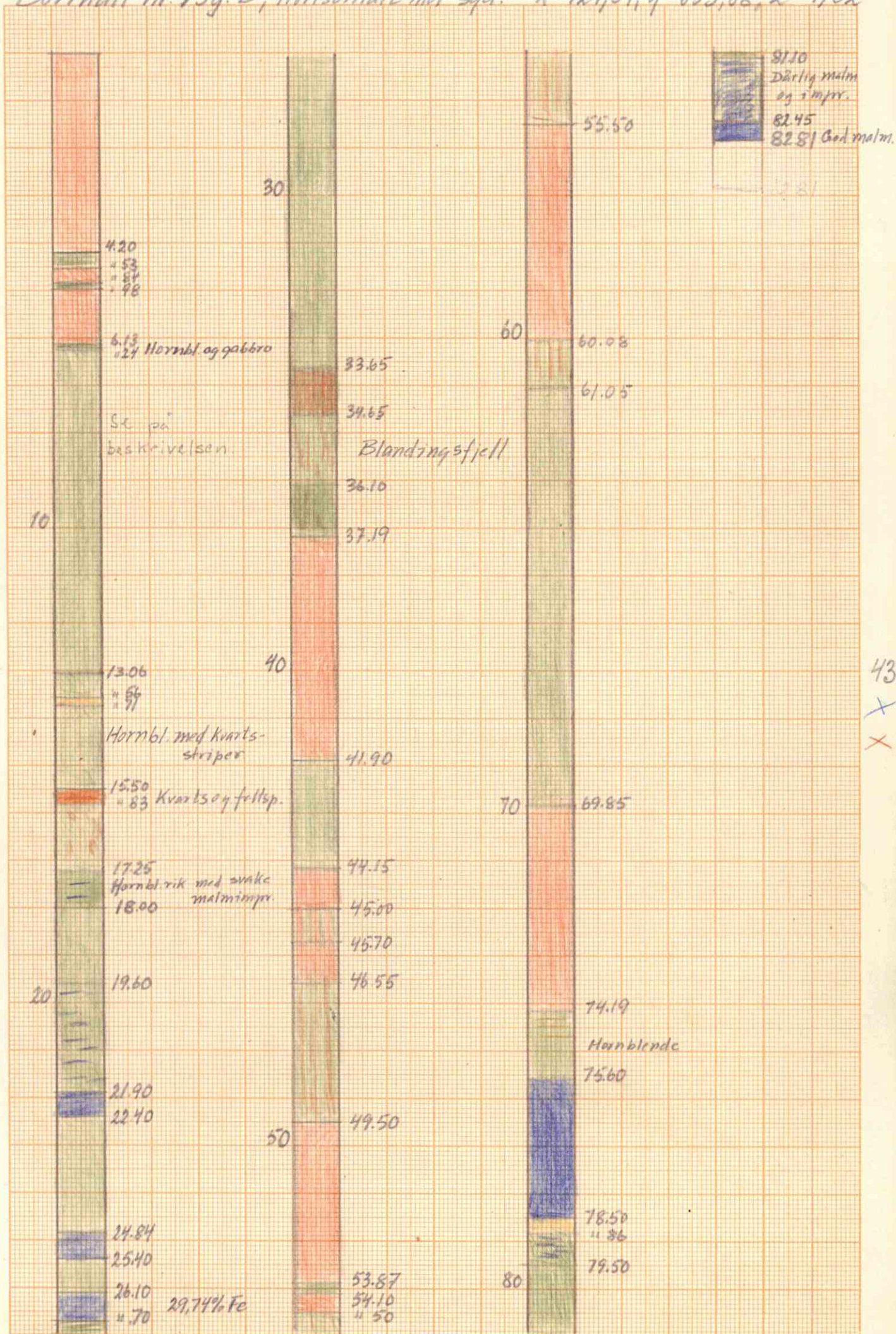
4/
x

Borrhull nr. 42g, D⁴ Horisontalt mot N.V. X=963,87, Y=676,72, Z=7,87

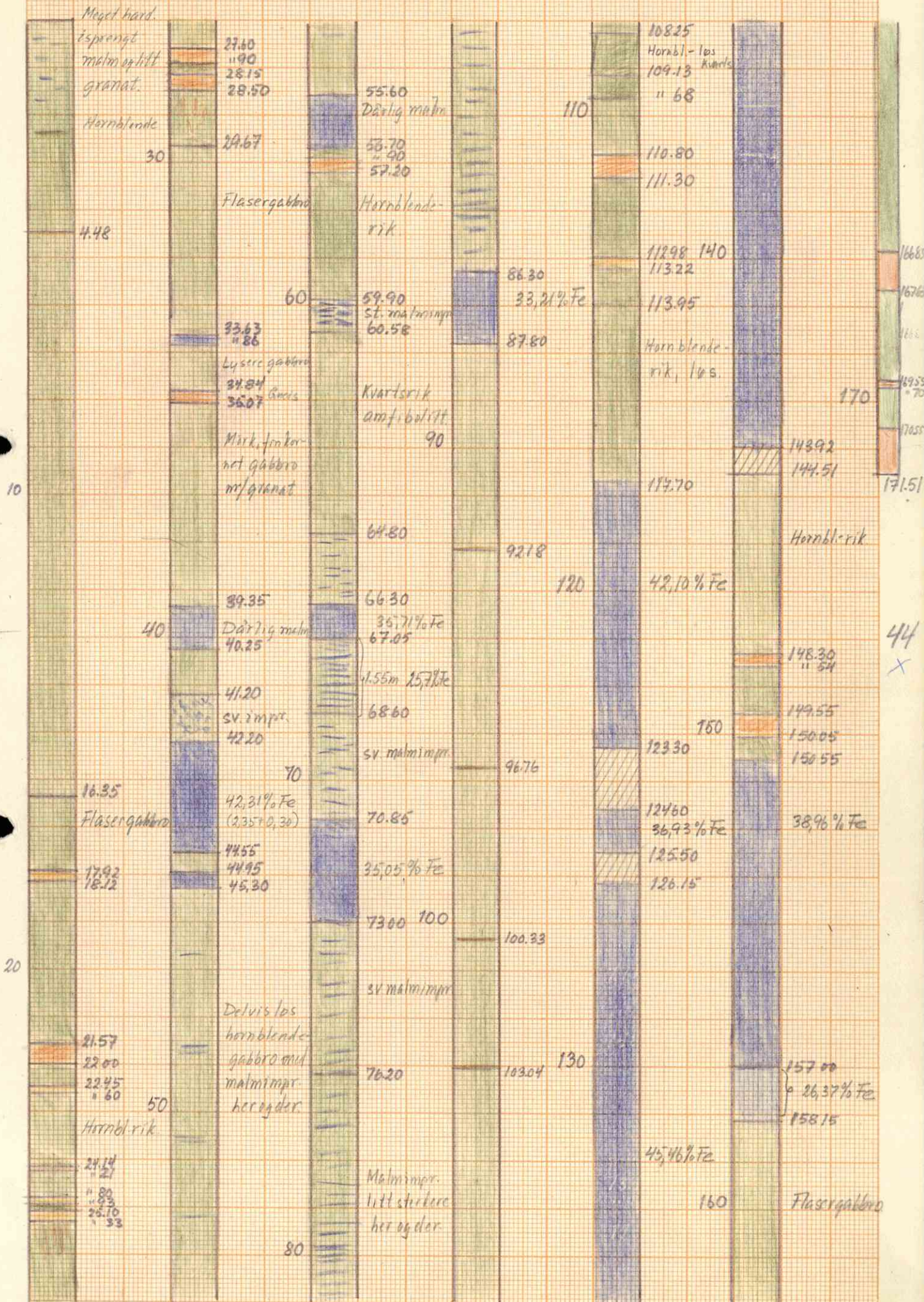


42
X

Borrhull nr 43g. D⁴, Horisontalt mot syd. X=929,54, Y=655,68, Z=7,62



Borrhull nr 44 g. Etg=40 fra sleppsynk mot nord fall 5°. X₁=827,34, Y=536,08 Z=-38,89



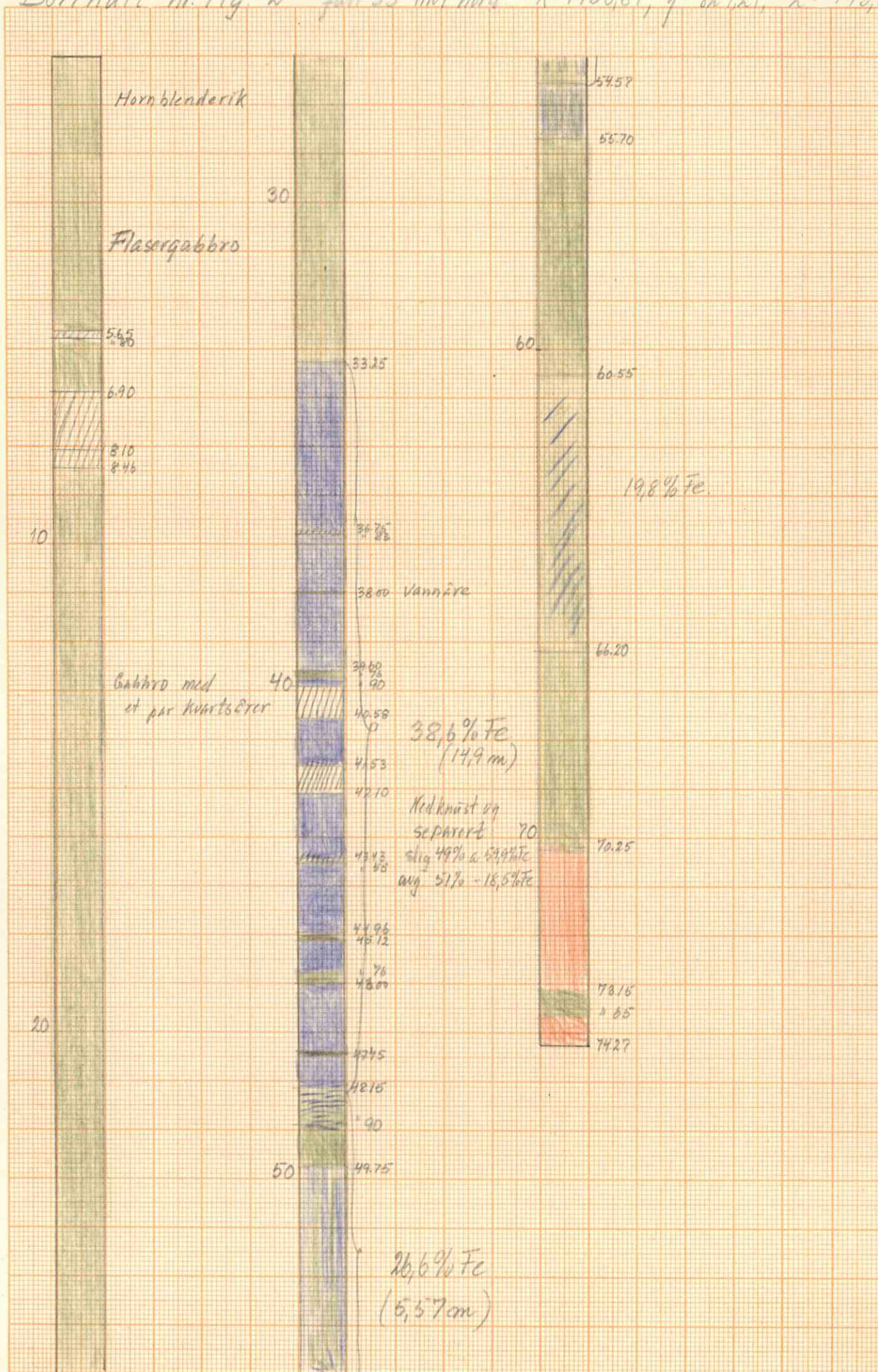
Barrhull nr 45g. Ø⁴ fall 30° mot nord. X=935,41, Y=575,28, Z=6,49



Borrhull nr 46, D⁶⁰ Horisontalt mot Syd. X=938,82, Y=635,30, Z=64,37



Borrhull nr. 47g. Z¹⁹⁰. fall 55° mot nord X=1456,81, Y=824,21, Z=193,31



Hand-drawn geological columnar section on graph paper, showing three vertical columns of rock layers with various labels, measurements, and percentages. The columns are color-coded: blue/purple for gabbro, green for hornblende, and red/orange for other rock types.

Column 1 (Left):

- Top: 27.5, 23.5, 4.0, 5.80, 7.10, 7.25
- 30: 44.8% Fe
- 10: 45.8% Fe
- 40: 12.95, 13.00
- 15.20, 11.55
- 42.1% Fe
- 17.55
- 19.00
- 20: 21.93
- 50: 23.50 (2.76m: 35.4%)

Column 2 (Middle):

- 55.25, 58.20, 59.10 (m/10 = 9.1m)
- 60
- flaser-gabbro.
- 90
- hornbl. rik.
- 91.60
- 2.16m.
- 120
- 46.2% Fe
- 94.20
- 95.20, 0.50m, 11.20, 11.45
- 4.70m
- 47.8% Fe
- 100
- 100.65
- 34.3% Fe
- 102.45, 11.75
- 130
- 4.25m
- 46.6% Fe
- 77.85, 145, 79.10
- 80
- 80.40 (hornbl. rik.)

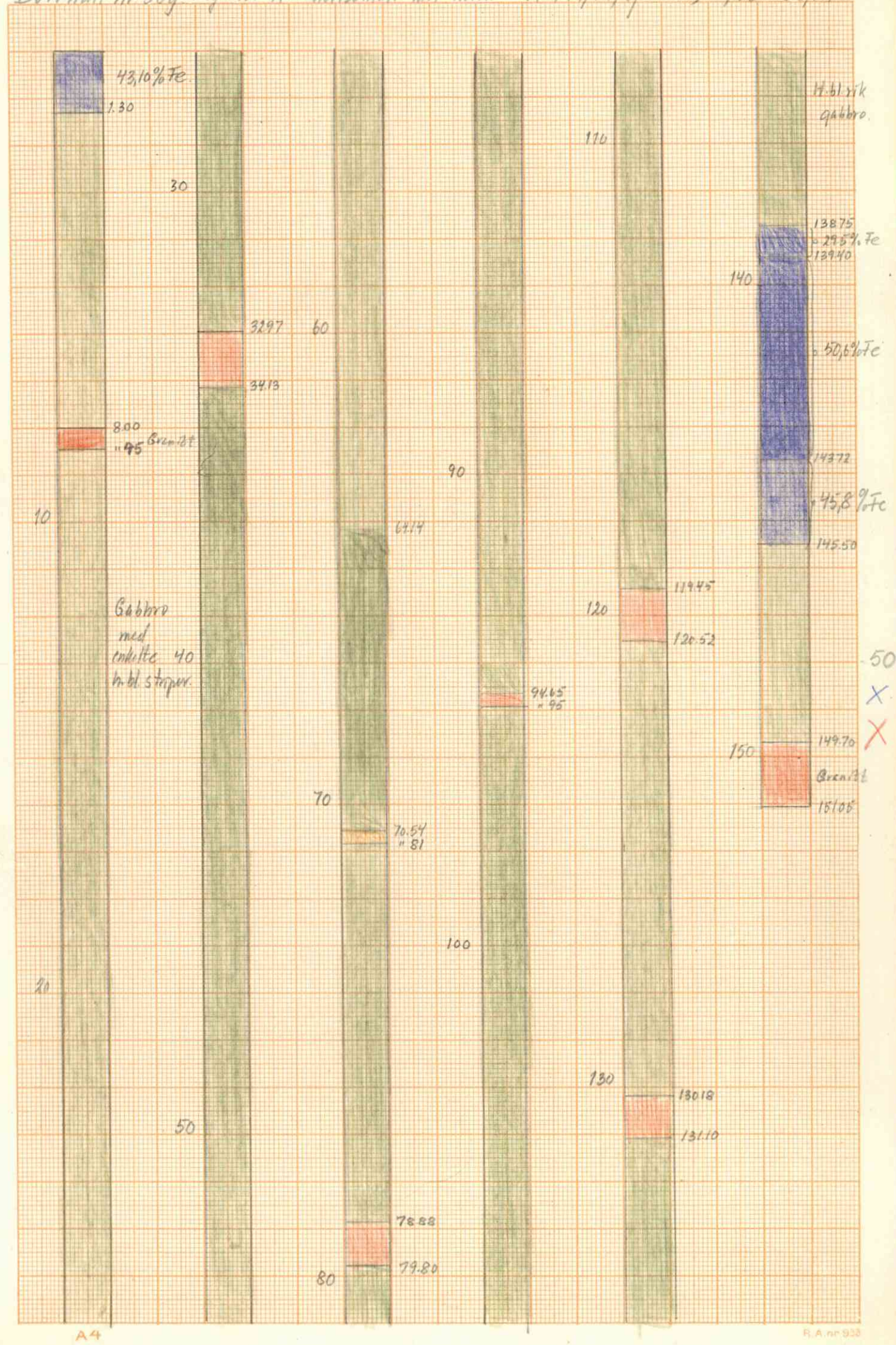
Column 3 (Right):

- 81.10, 11.31
- 108.10
- 34.6% Fe
- 110
- Tildels med granat.
- 110.60, 11.90, 111.15, 11.54, 11.95
- 112.75
- 37.5% Fe
- 114.40, 11.90, 11.95
- Flaser med enkelte striper af Kvarts og hornblende.
- 121.30, 11.45
- 124.76
- lys, lidt rødlig.
- 132.40
- 107.00

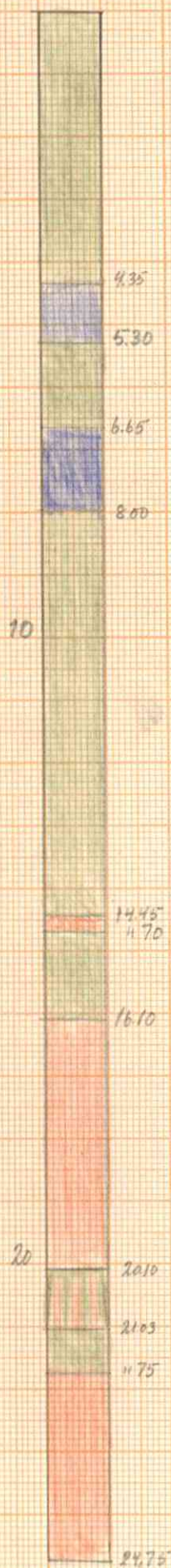
Borrhall nr. 49g. Ftg. 4 fra N mot nord fall 33° $X=798,50$, $Y=609,47$, $Z=489$

-49
X

Borrhull nr 50g. Etg: 40. N. horisontalt mot nord. X=749,14, Y=598,79, Z=-36,290

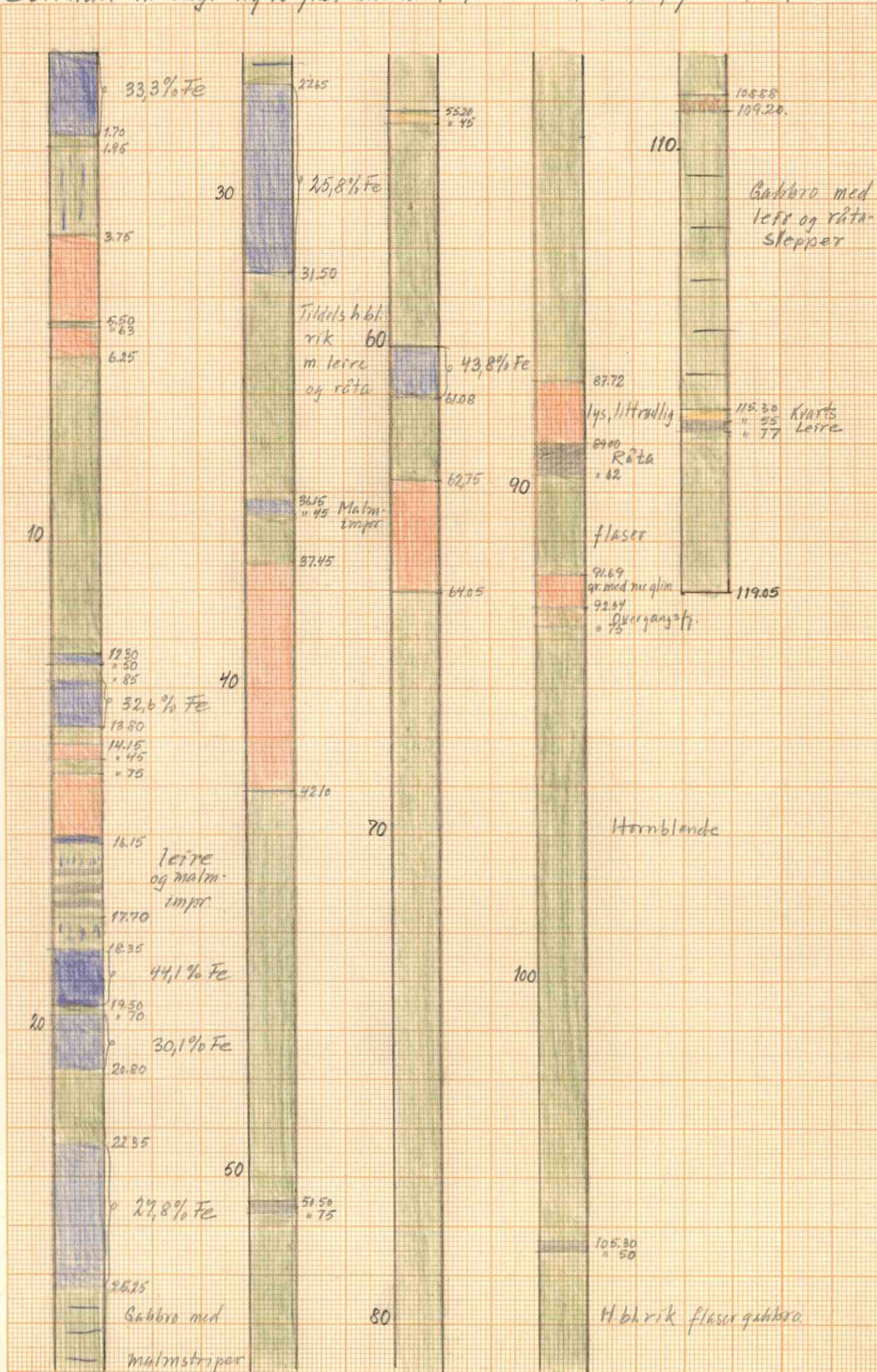


Borrhull nr. 51g $E_{\text{g}} = 40$ fra $\emptyset$ mot syd, horisontalt. $X = 699,58$, $Y = 534,08$, $Z = 38,69$.



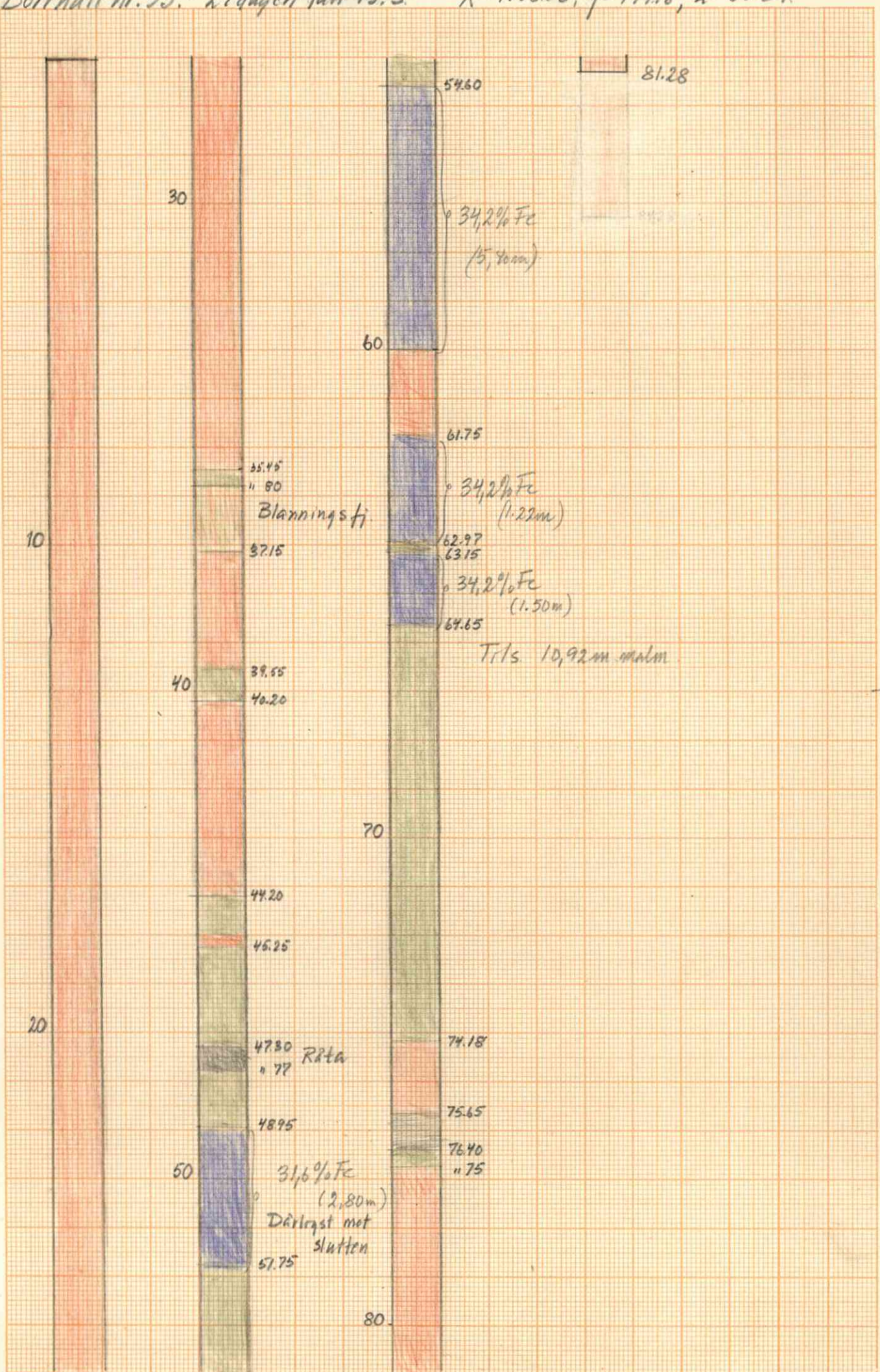
51
X

Borrhull nr 52g. Etg: 40 fra Ø mot nord. fall 30°. X=69996, Y=54626, Z=-3953



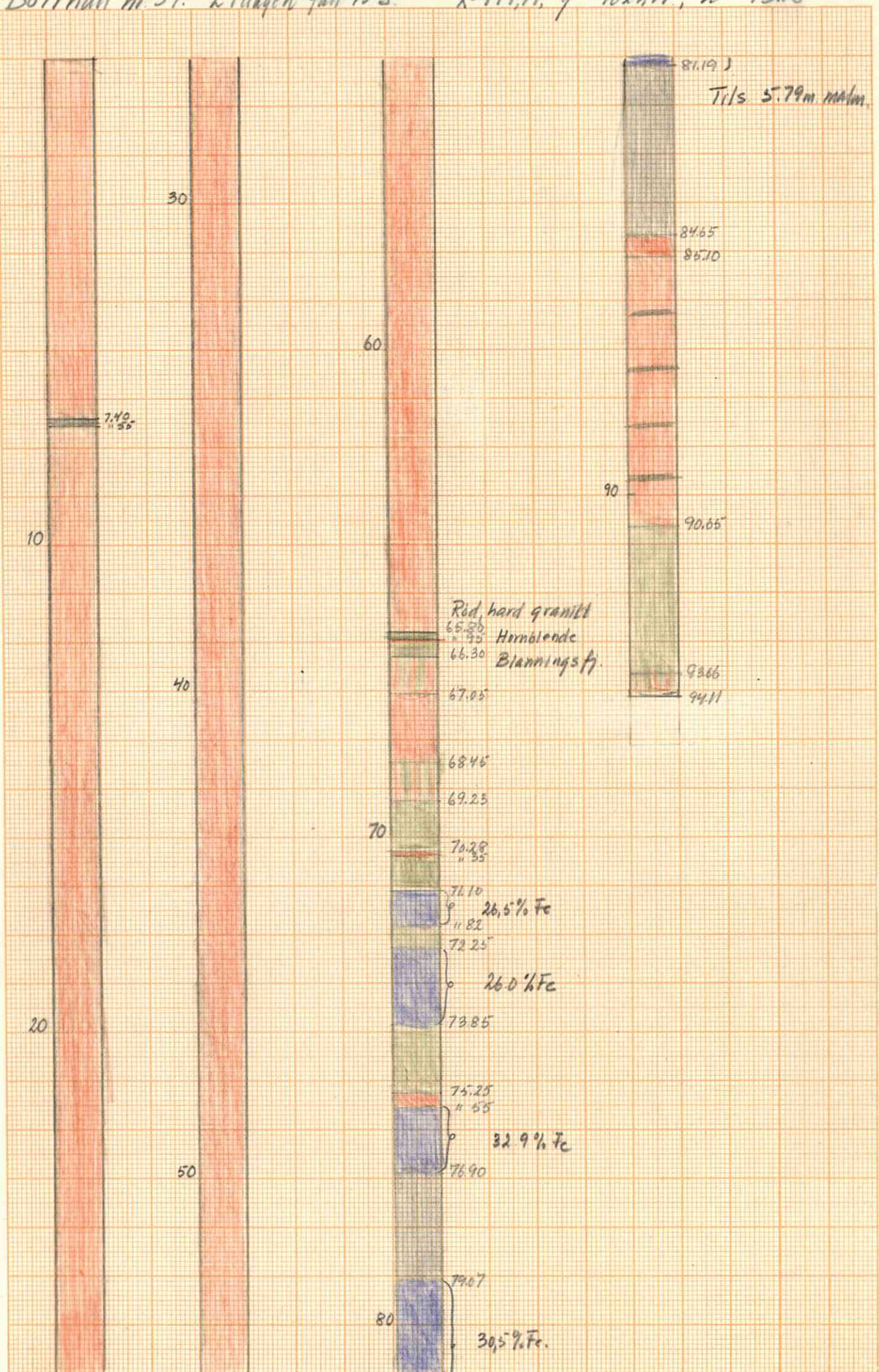
Borrhull nr. 53. - Tidagen fall 45° S.

X = 1058.08, Y = 999.18, Z = 88.69.



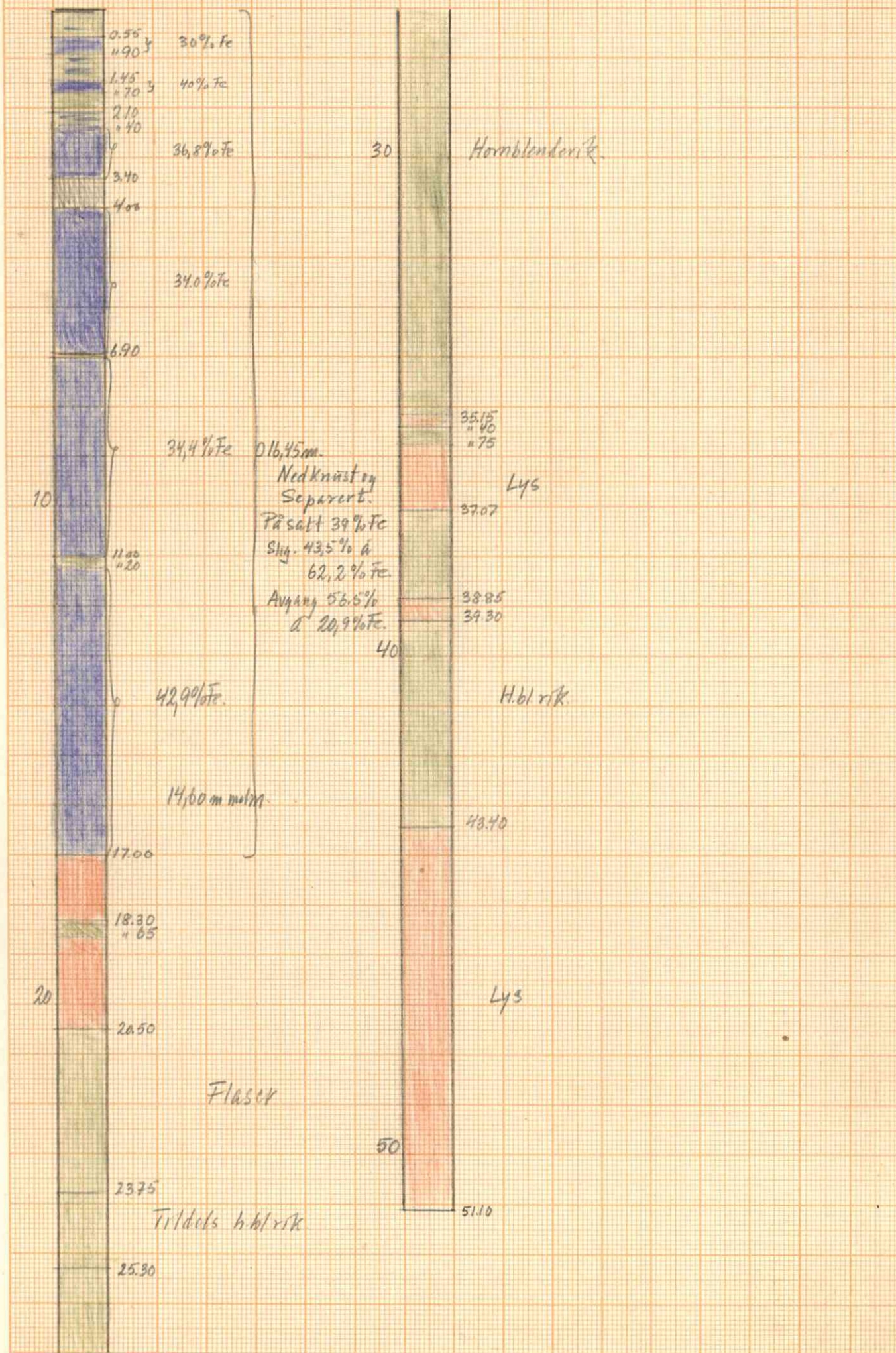
Borrhull nr 54. Zidagen fall 45°S.

X=944.74, Y=1027.71, Z=45.18



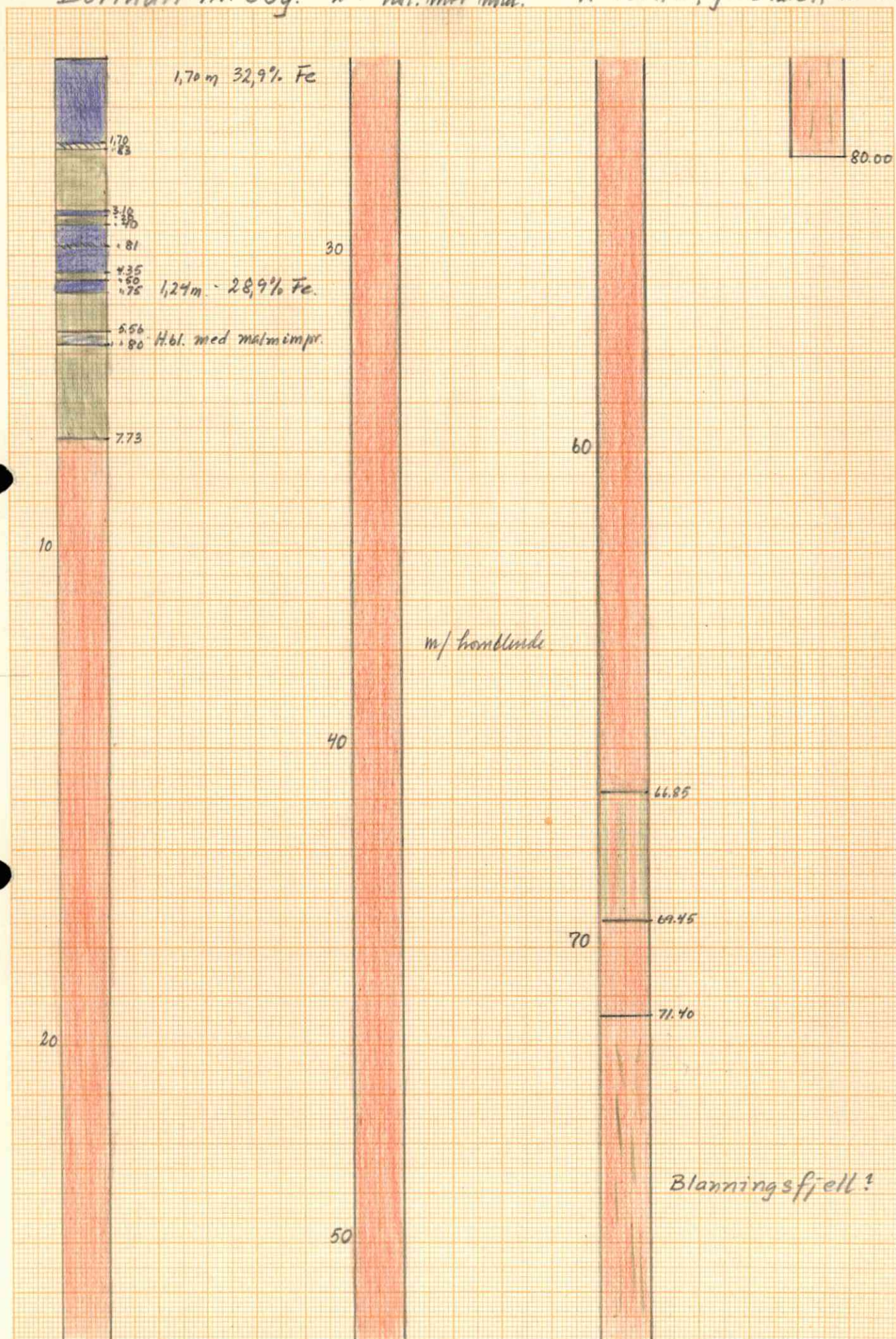
54
x

Borrhull nr. 55g. 2¹⁰¹ horisontalt mot S. $X=1349,57, Y=885,29, Z=108,54$

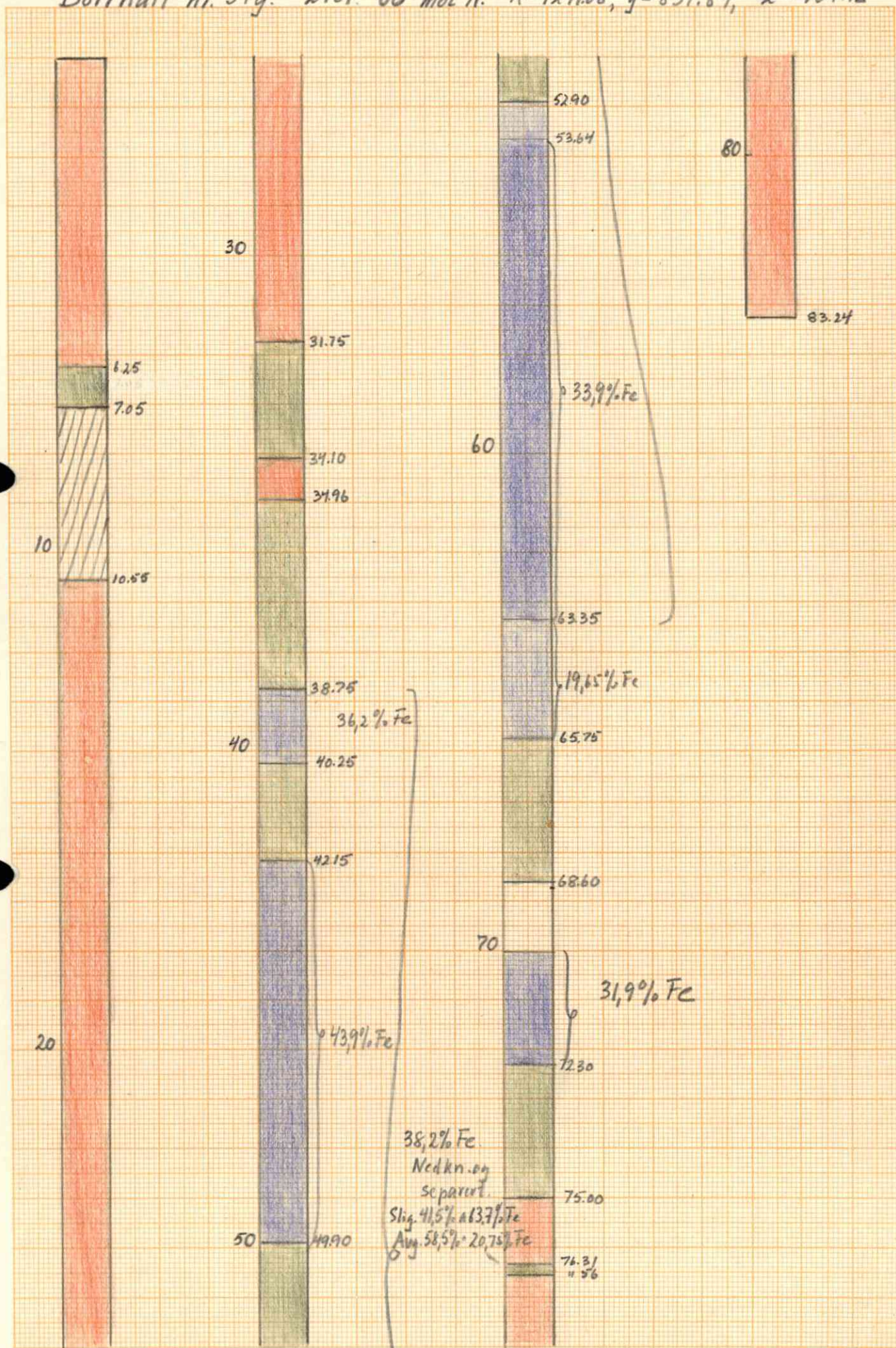


Borrhull nr. 56g. 2¹⁰¹ kor. med med.

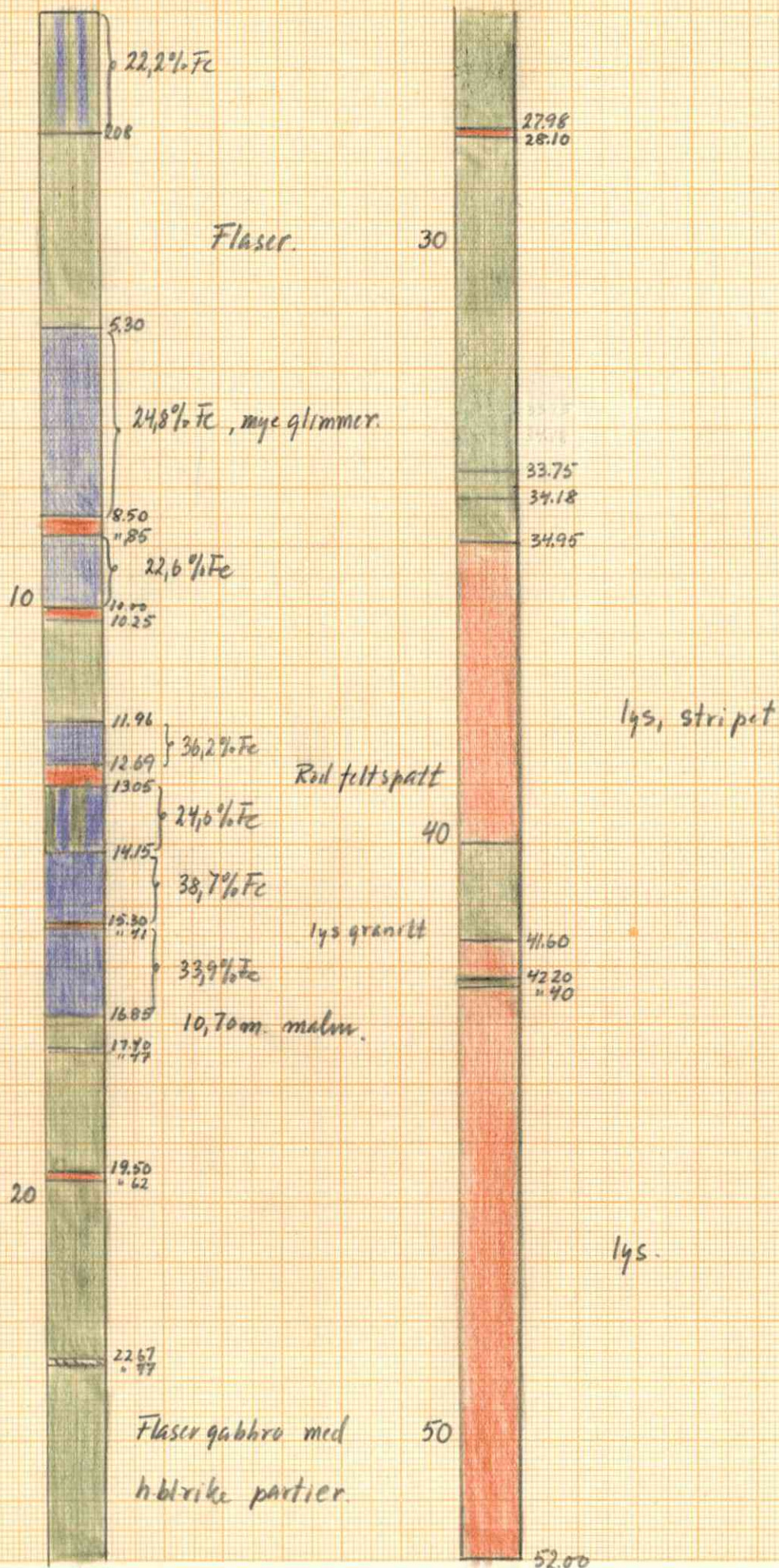
X = 1349.70, Y = 892.61, Z = 108.54



Borrhull nr. 57g. 2101. 60° mot N. X = 1291.06, Y = 851.69, Z = 107.12



Borrhull nr. 58g. Z-101 hor. mot S. $X=1398.42, Y=872.43, Z=108.87$

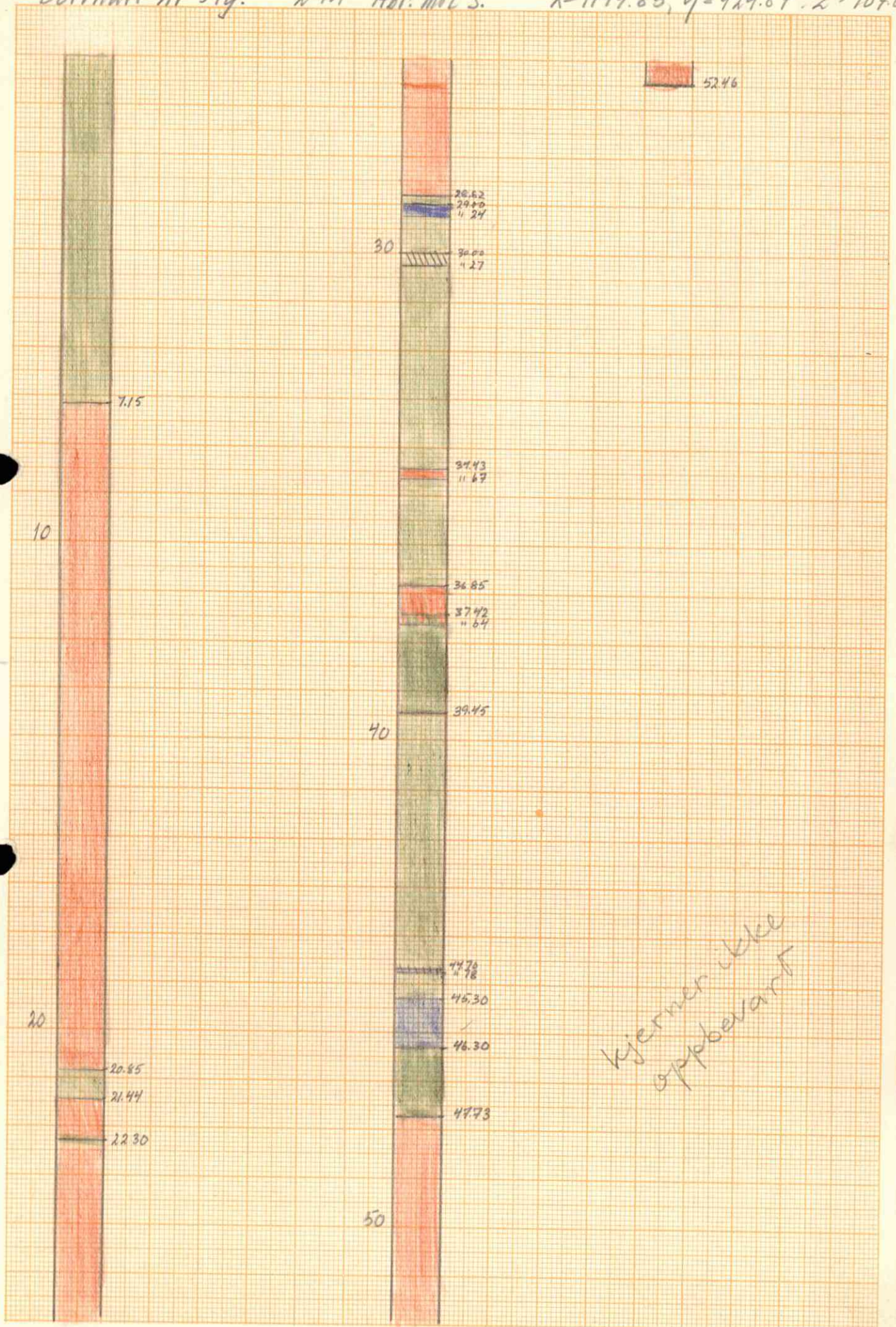


58

Borrehull nr 59g.

Z-101 Hor. mot S.

X=1199.85, Y=924.87. Z=10700.



59

Kjerner ikke oppbevart



Borrhull nr 60g. (Z 190. (rult over 59g) her mot N.

→ med bare Z 101

g



25,1 % Fe

Kjerner ikke oppbevart

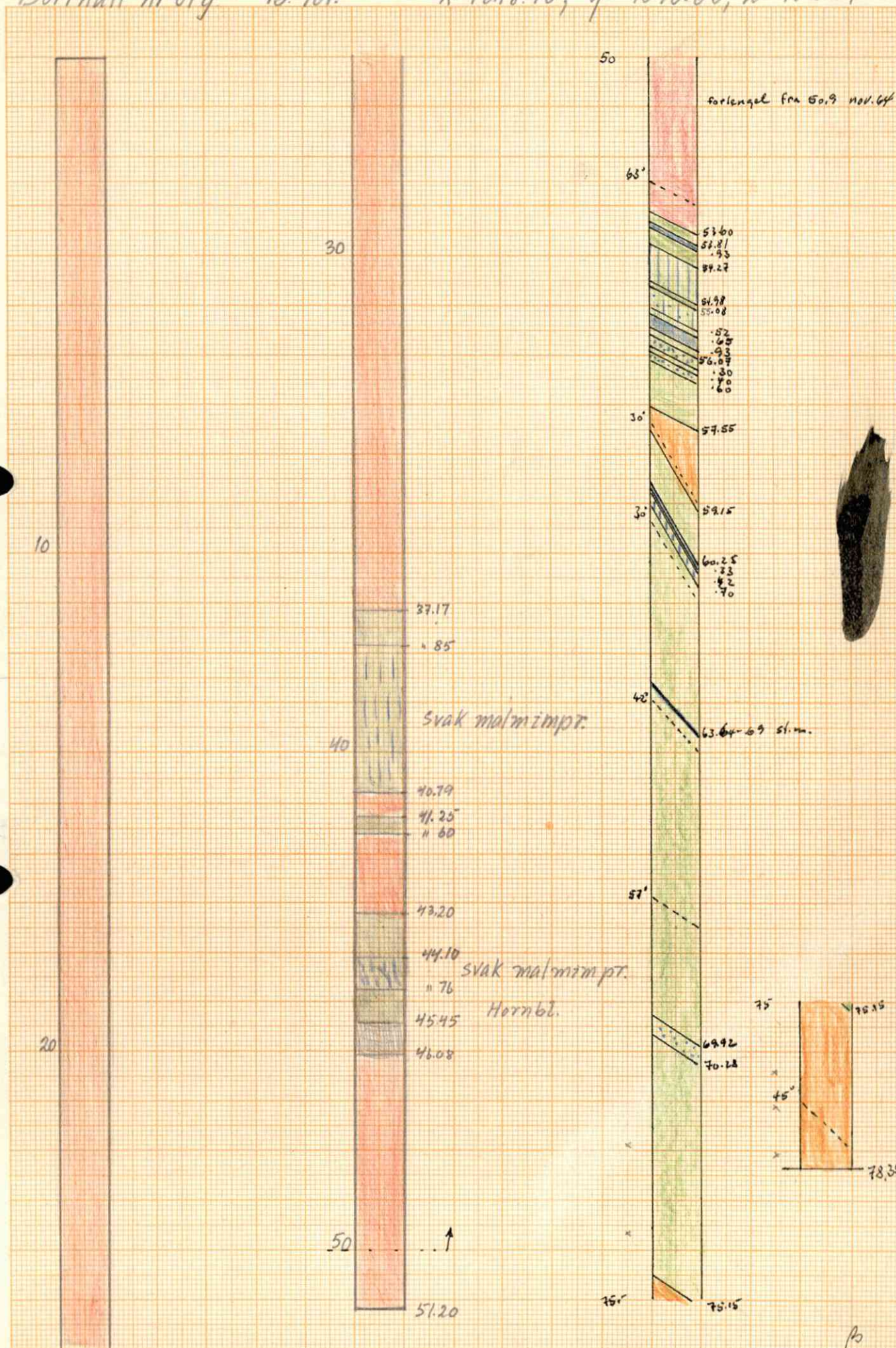
60



Borrhull nr 61g

B. 101.

X=1348.16, Y=1096.63, Z=108.34



61

Borrkull nr. 62g. Z^{101} hor. mot N.

$X=1445,91$, $Y=851,02$, $Z=108,91$

Stemmer ikke



Kjerner ikke oppbevart

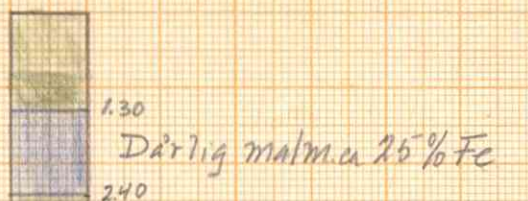
62



$X=1448,40$, $Y=853,01$, $Z=108,92$

Borrhull nr 63g. Z-101. hor. mot S.

~~$X=1446,39$, $Y=845,97$, $Z=108,91$~~



Gabbro med hornblendepartier.

7.58
+ 73

10.

16.25

19.10

20.

Flaser gabbro.

26.05
" 50 Litt malminpr.

27.95

34.66

Kjerner ikke oppbevart

63



Borrhull nr 64g. B-234 Hor mot N. $X=1848,37$, $Y=1054,59$, $Z=239,80$



Kjerner ikke oppbevart

64



Borrhull nr 65g-B²³⁴. Hor. met S. X=1848.30-Y=1050.13, Z=239.80

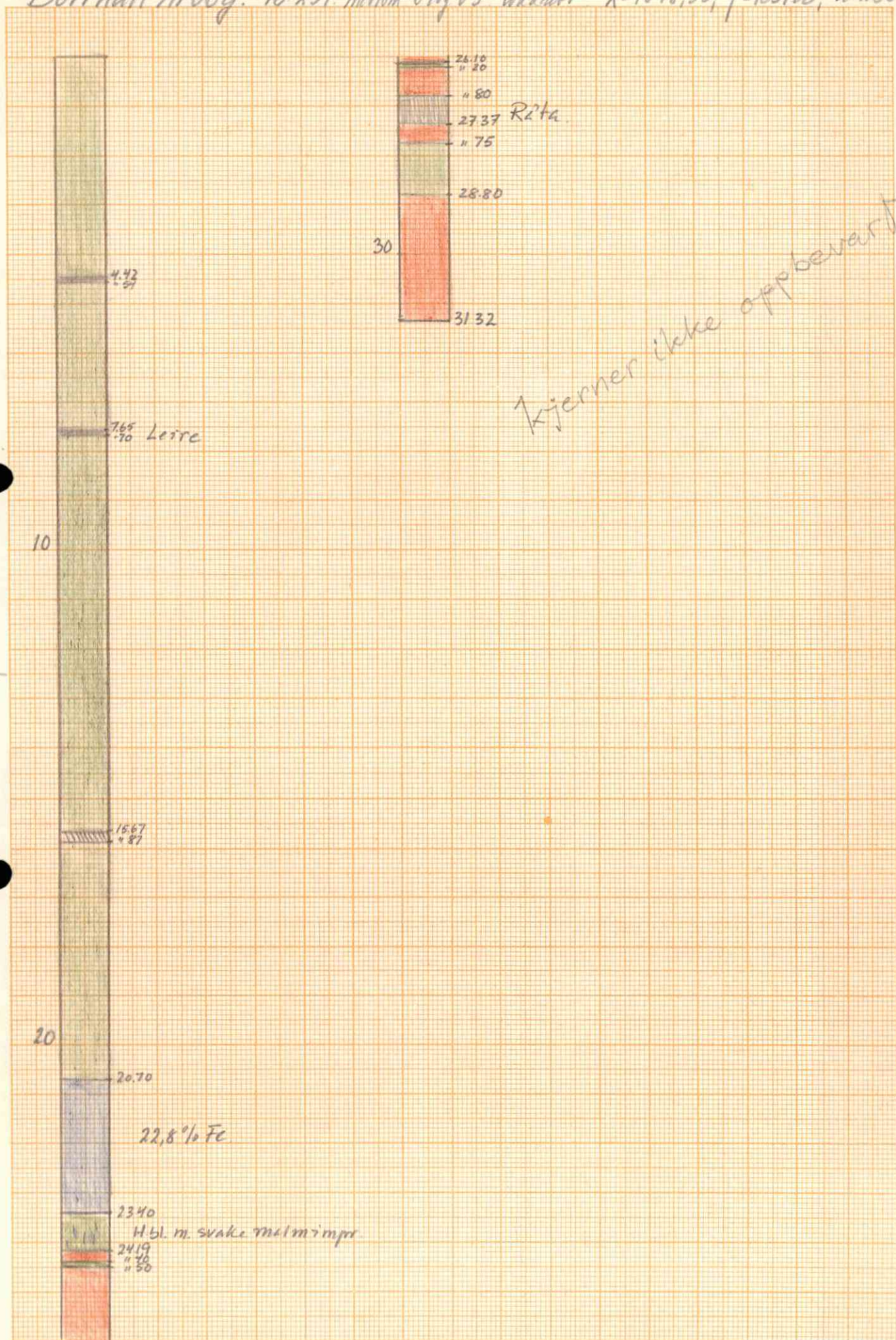


65

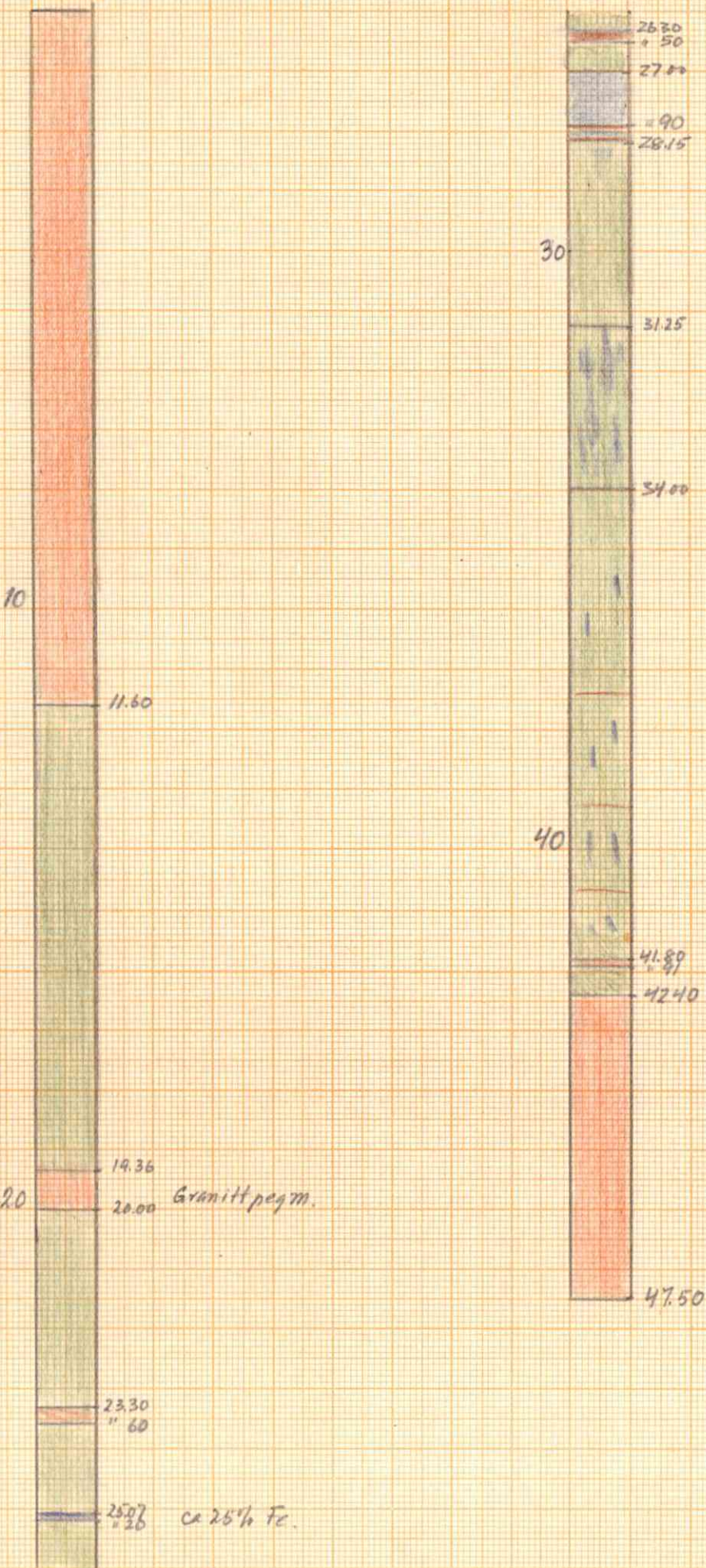
Kjerner ikke oppbevart



Borrhull nr 66g. B 234. mellom 64 og 65 led hullt $X=1848,35$, $Y=1051,00$, $Z=238,72$



Borrhull nr. 67 Øvre L. 45° mot N. X=1918-, Y=746-, H=271,7



67



Borrhull nr. 68g. D-4 Hor. mot N. X=1116,14, Y=708.53, Z=9.61.

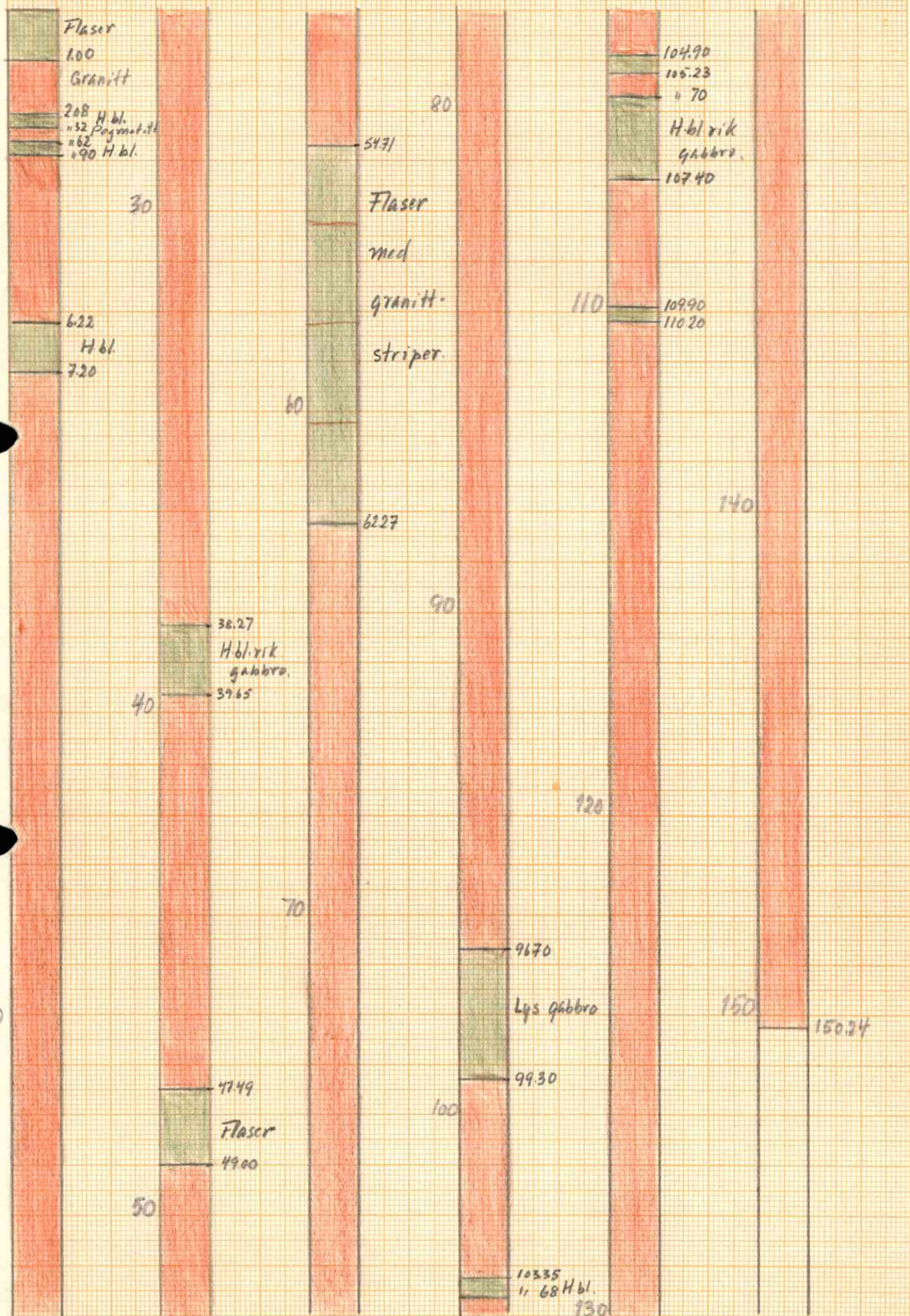


68
x

Borrhäll nr. 69 D-4 - Horisontalt mot Syd $X=1092,13$, $Y=691,58$, $Z=9,08$

10

20



69

X



Borrhull nr. 70 g. D-4. Horisontalt mot N.



70
+

Borrhull nr. 71. Over Bergmester Hor mot S



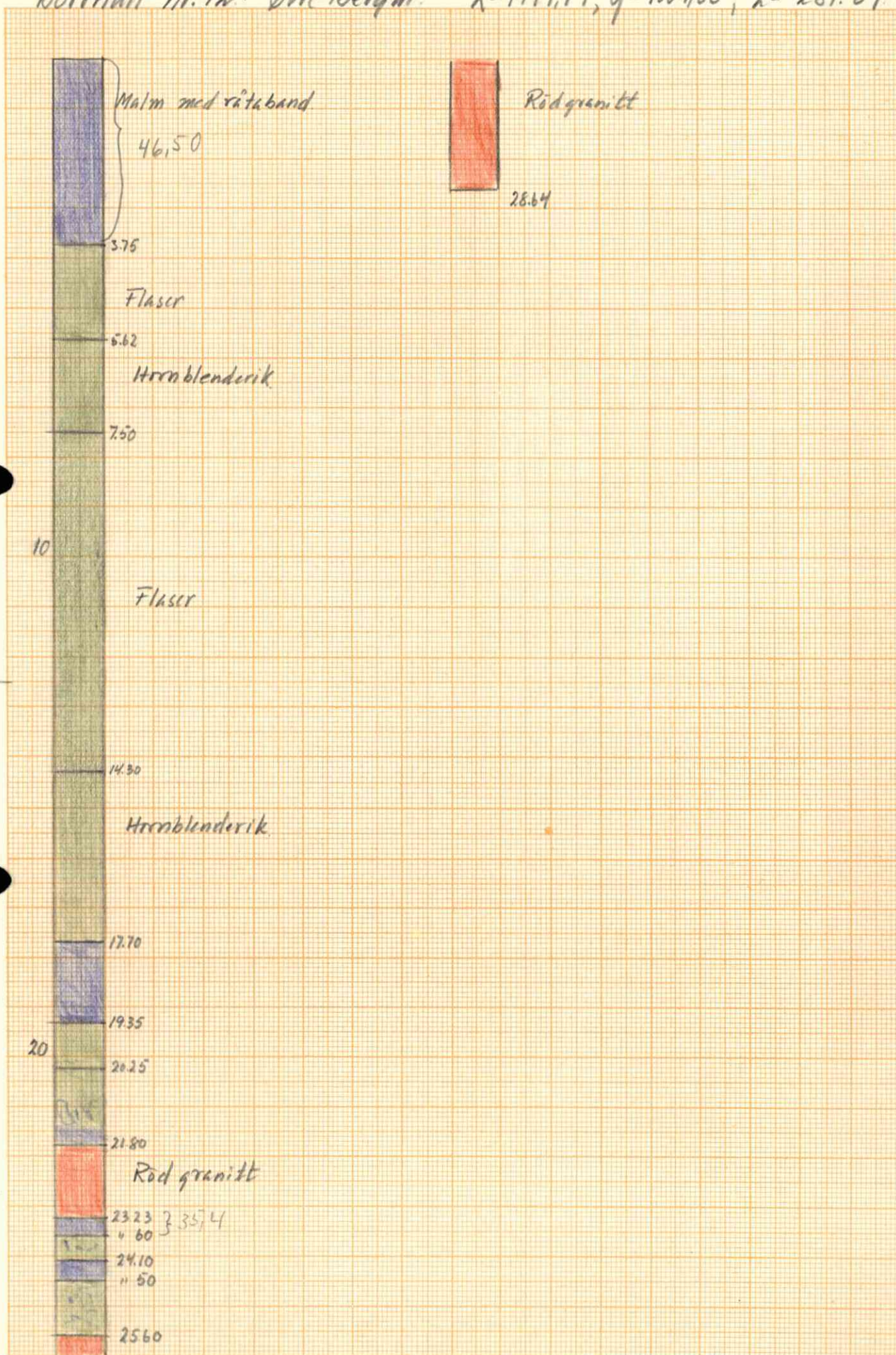
376

Kjerner ikke
oppbevart

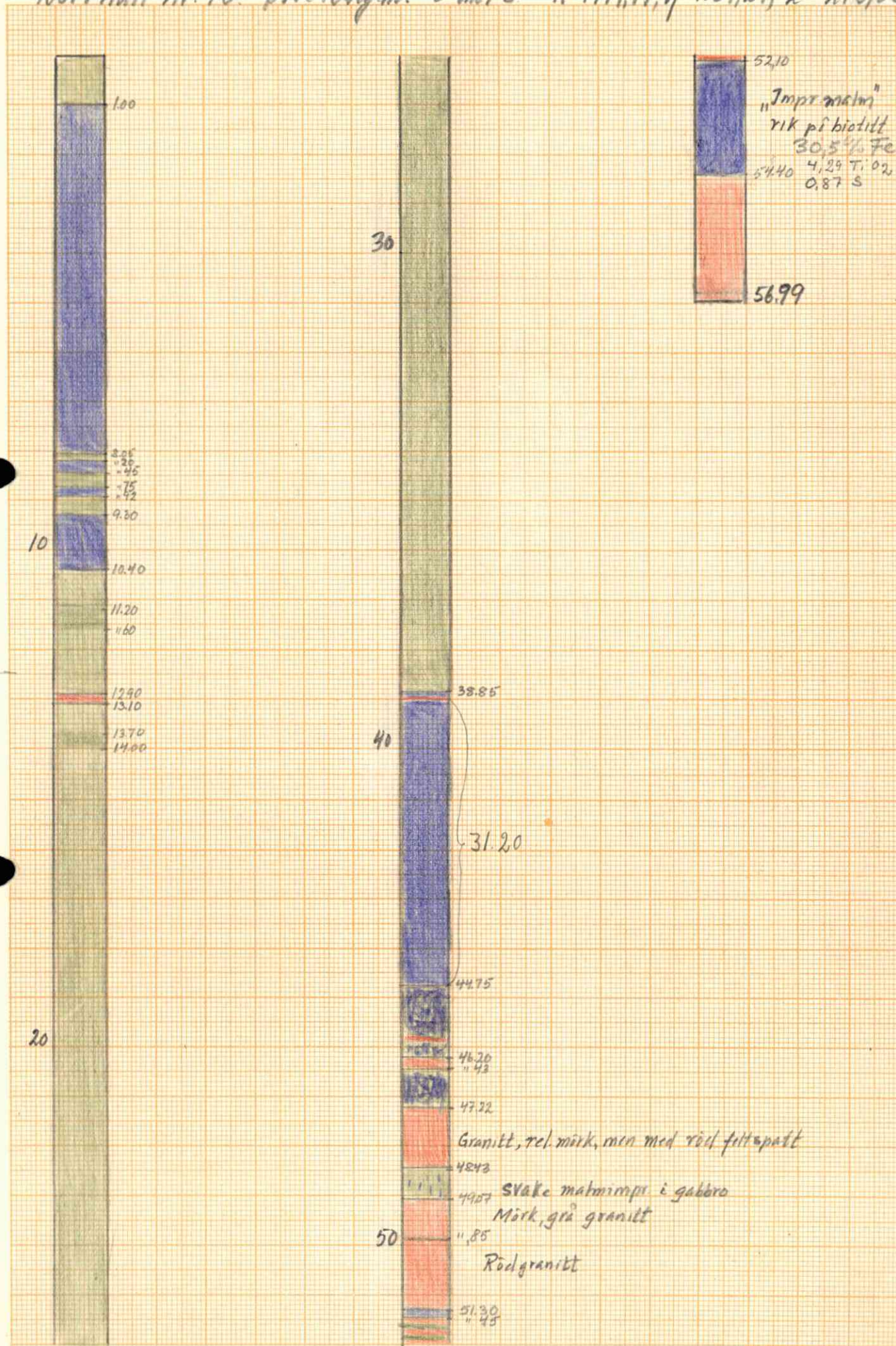
71



Borrhull nr. 72. Övre Bergm. $X=1944,74$, $Y=1004,60$, $Z=281,34$

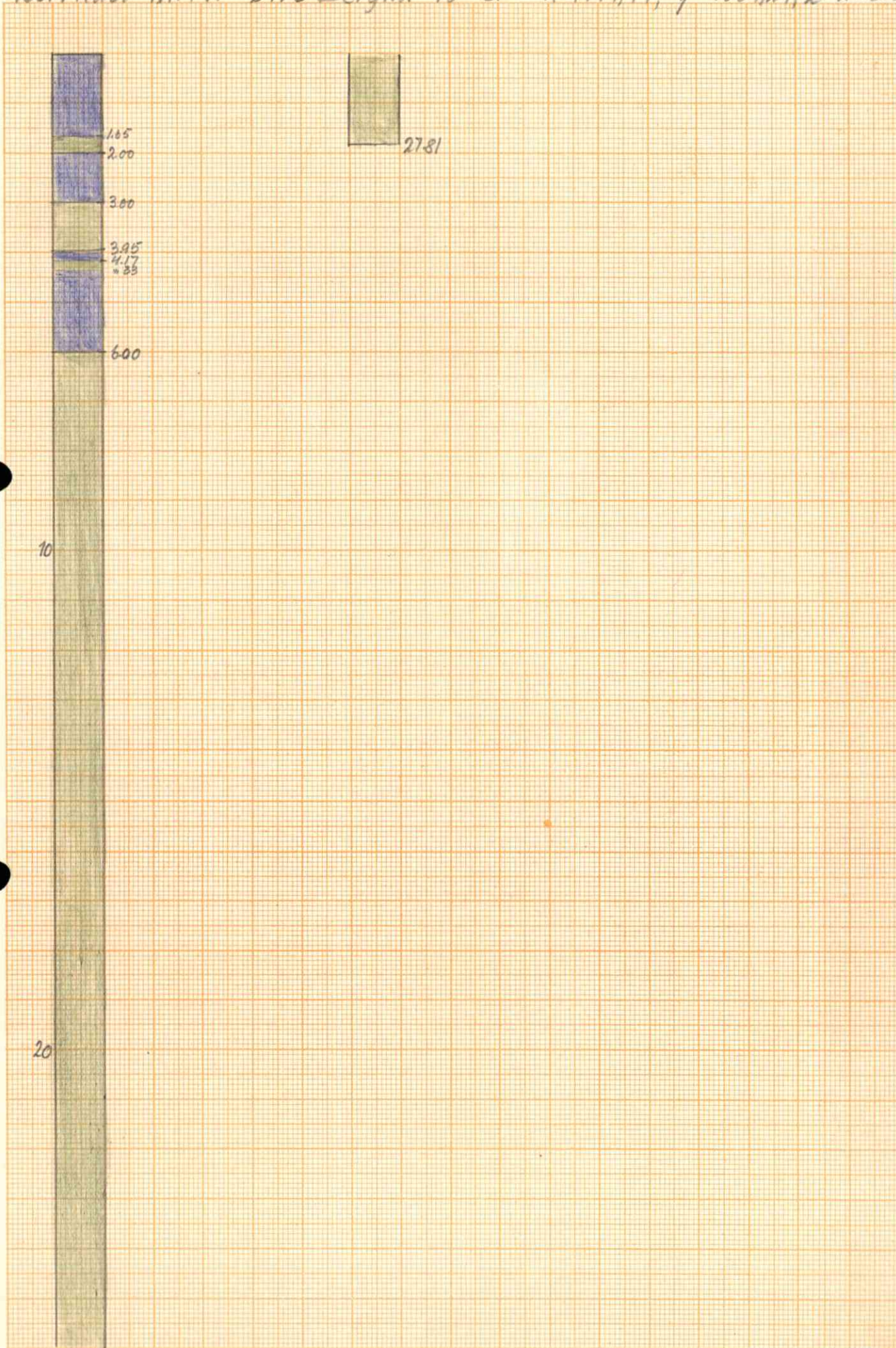


Borrhull nr. 73. Övre Bångm. 5° mot S. $X=1949,47, Y=1039,29, Z=273,58$



73

Borrhull Nr. 74. Øvre Bergm. 45° S. $X=1949.47$, $Y=1039.29$, $Z=273.58$



Borrhull Nr. 75 Övre Bergm. Loddrett. X=1949,47, Y=1039,29, Z=273.58



75

Borrhull Nr. 76 Øvre Bergmester ved nordre bekk.

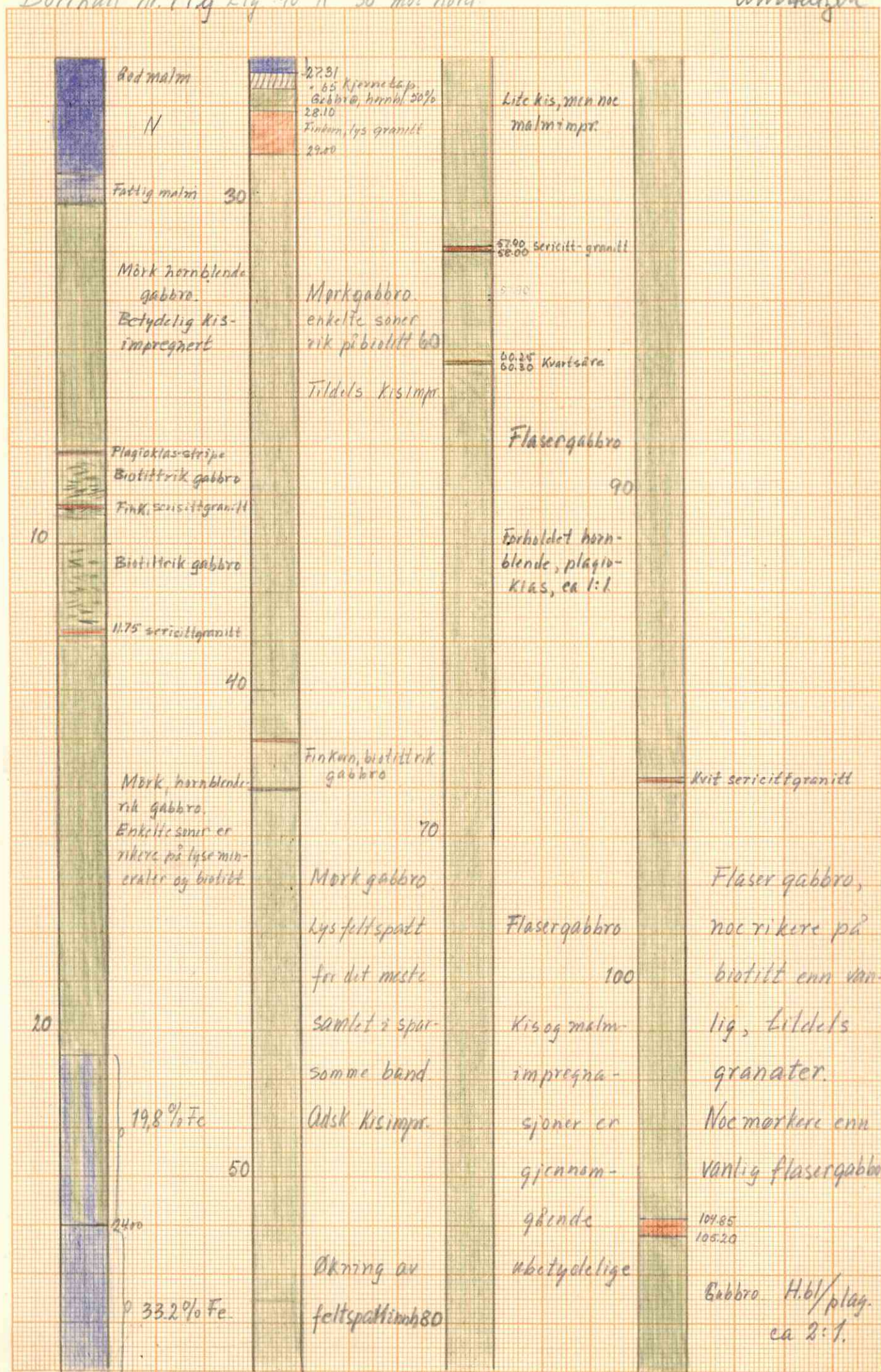


6.00

kjerner ikke oppbevart

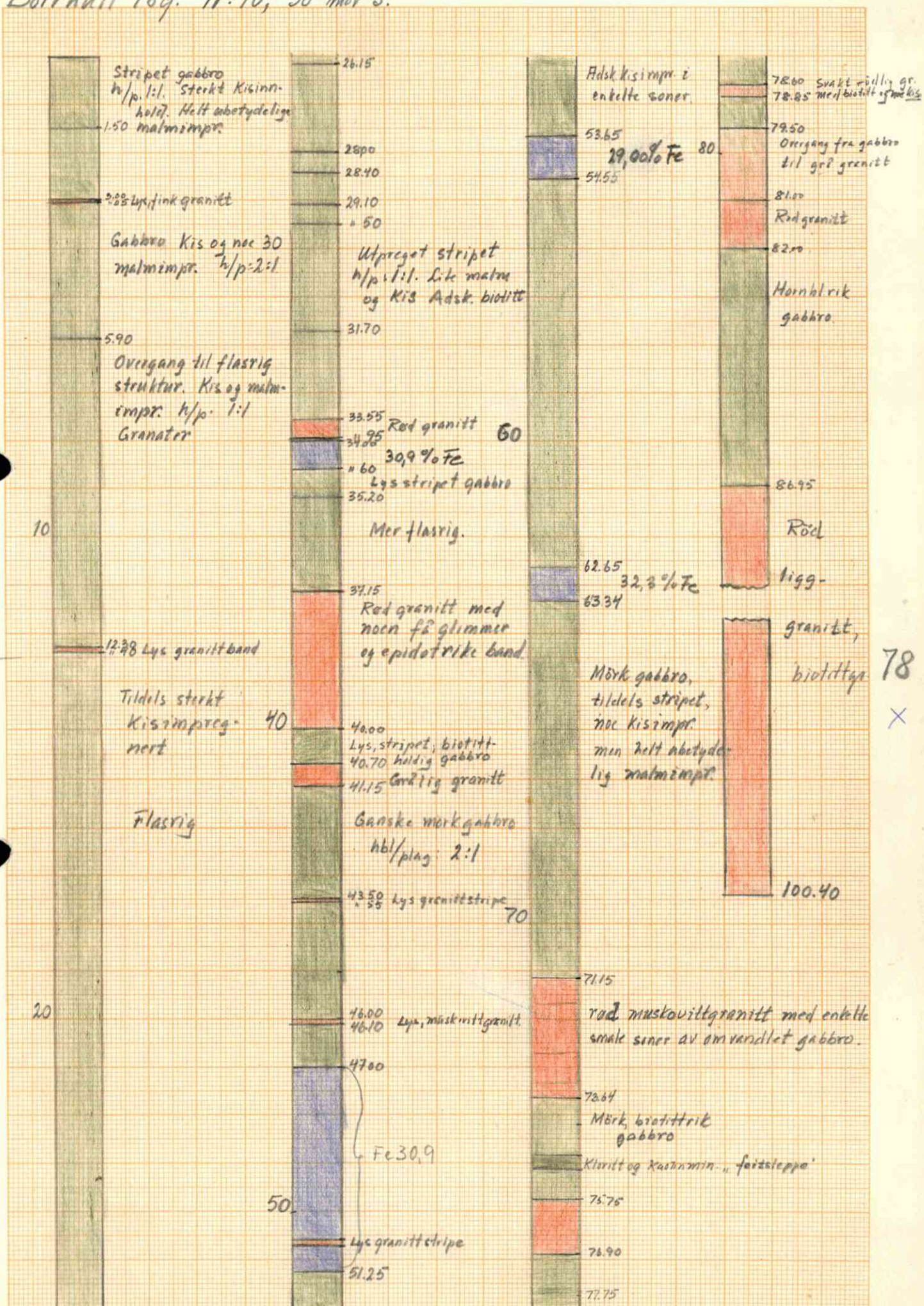
76



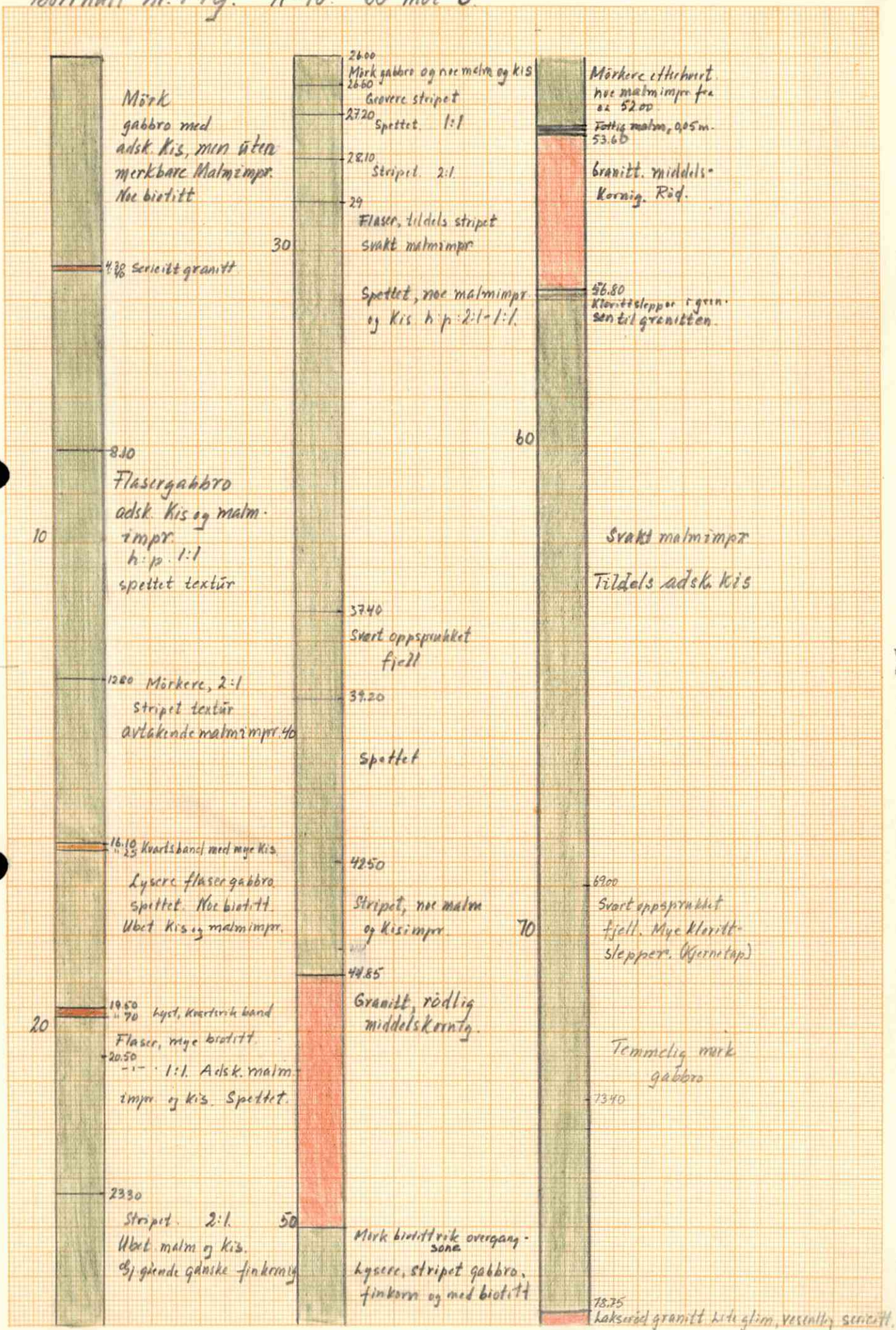


110	109.00 Lysrød muskovitt-granitt 109.70 Laksrød gr. Vesentlig feltsp. granitt 110.60 Ren kvarts 111.00 Laksrød gr. Lysere musk. gr. 111.80 Gabbro med biotitt og noe grønnalt Mørk hbl./plag 2:1 113.00 Biotitt	Ubet. kis impr. 126.80 Lysgrønt granitt Mørk, kabl. rik gabbro 137.70 Lysere, plag. rik gabbro hbl./plag 1:1 138.70 Lys, rødlig musk. gr. biotitt i overgangs-sonen til gabbro 142.30 Gabbro hbl./plag 2:1. Adsk. kis impr. 144.70 Mørk gabbro med adsk. biotitt	184.50 Lys, biotittrik omvædd. gabbro 185.00 193.45 166.10 Lys granitt, togtem. tildels finkorn. 167.35 Biotitt, epidotrik gabbro (omv.) med betydelig kisinnhold. Jenkelt småsoner dominerer hornbl.
120	116.00 Noe rikere på plag. hbl./plag ca 1:1 120.30 Røtband " 42 Lys biotittgran. 122.60 Lyslimmergranitt 123.00 Biotittrik gabbro 124.20 Gabbro hbl./plag 1:1 125.50 Svart mye biotitt. 127.30 Myc kis impr. 128.70	170 170.50 Mørk gabbro. h/p-2:1. 171.90 Lysere gabbro h/p: 1:1. Noe epidotisert. H.bl. gjerne noe overv. vekt. Tildels meget betydelig kisinnhold. Ikke merk bart malminnhold. 178.00 Mørkere, tildels hornblendet Adsk. kis. 180 Lysere, stripet gabbro tildels med adsk. kis. hbl./plag 1:1.	177 178.00 Mørkere, tildels hornblendet Adsk. kis.
130	150 Biotittrik gabbro 152.40 Lysere, stripet gabbro tildels med adsk. kis. hbl./plag 1:1. 156.90 Biotittrik zone ved overgang til granitt. 157.60 Noe lysere, adsk. kis impr. 159.30 Mørkere gabbro hbl./plag. 2:1. Sparsomt med kis. 161.30 Lys, fink. gr. stripe 161.45 Mørk gabbro, med noe kis impr.	182.50 grønt granitt mørk gabbro Granitt, grå i kontakt, rødlig i de sentrale deler 185.10 Matm. 186.80 Granitt, smal, grå overgangssone, siden rød.	186.80 Granitt, smal, grå overgangssone, siden rød.
160	161.45 Mørk gabbro, med noe kis impr.		

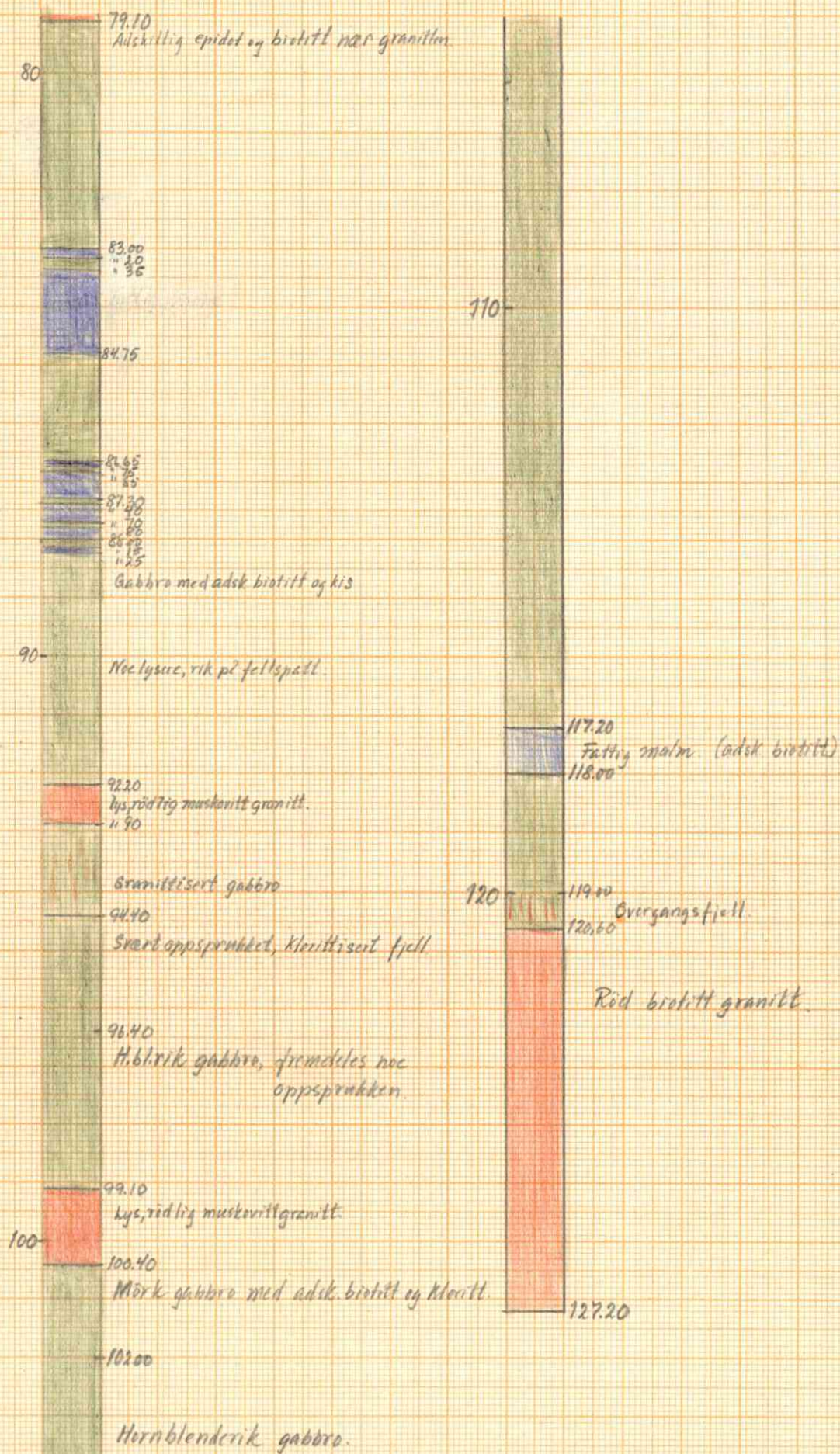
Borrhull 78g. N:40, 30° mot S.



Borrhull nr. 79g. N=40. 60° mot S.



Borrhull nr 79 fortsatt



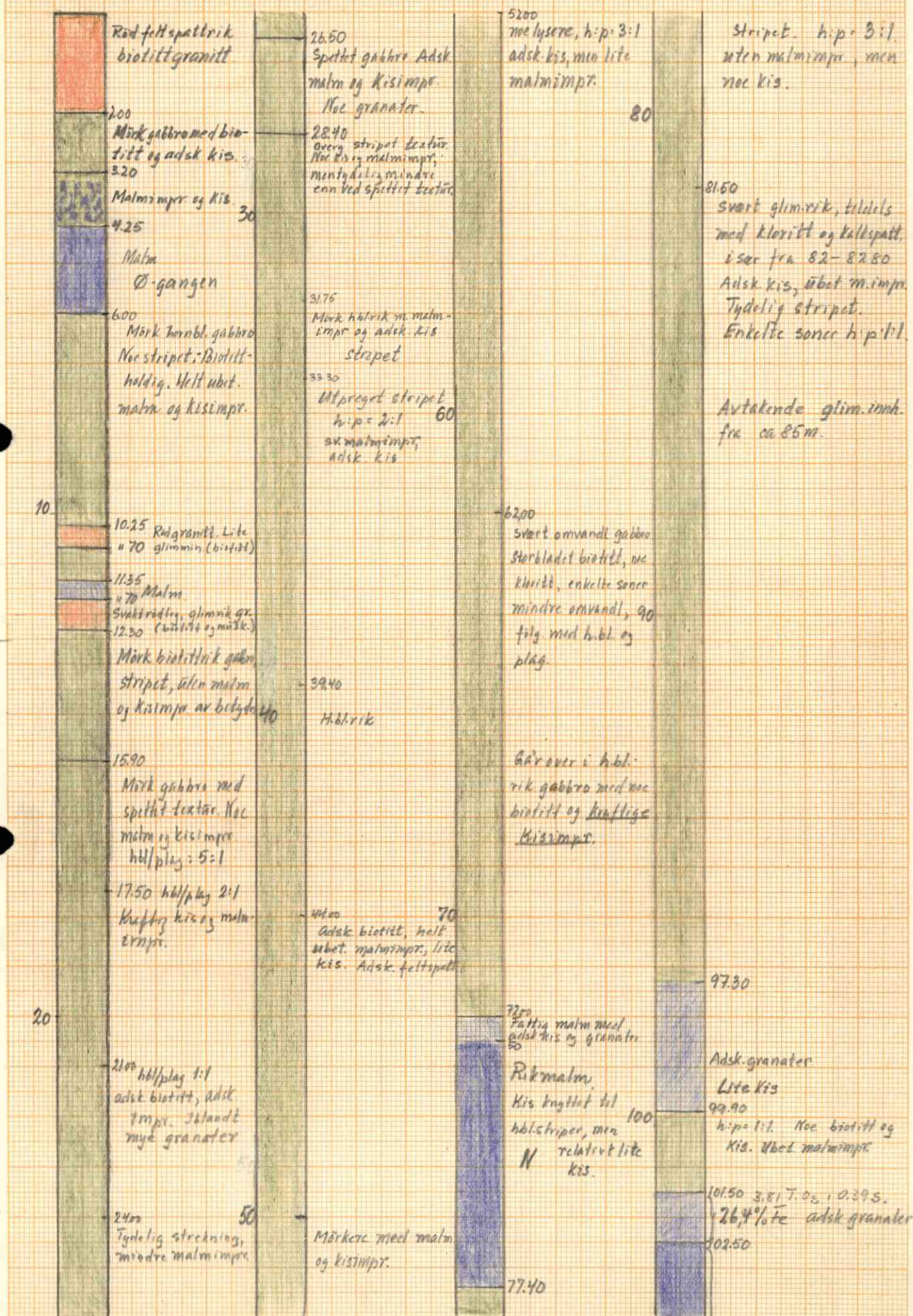
79
x

Borhull nr. 80g.

Ø:40

30° mot N

X=748.30 Y=547.80 Z=÷39.88

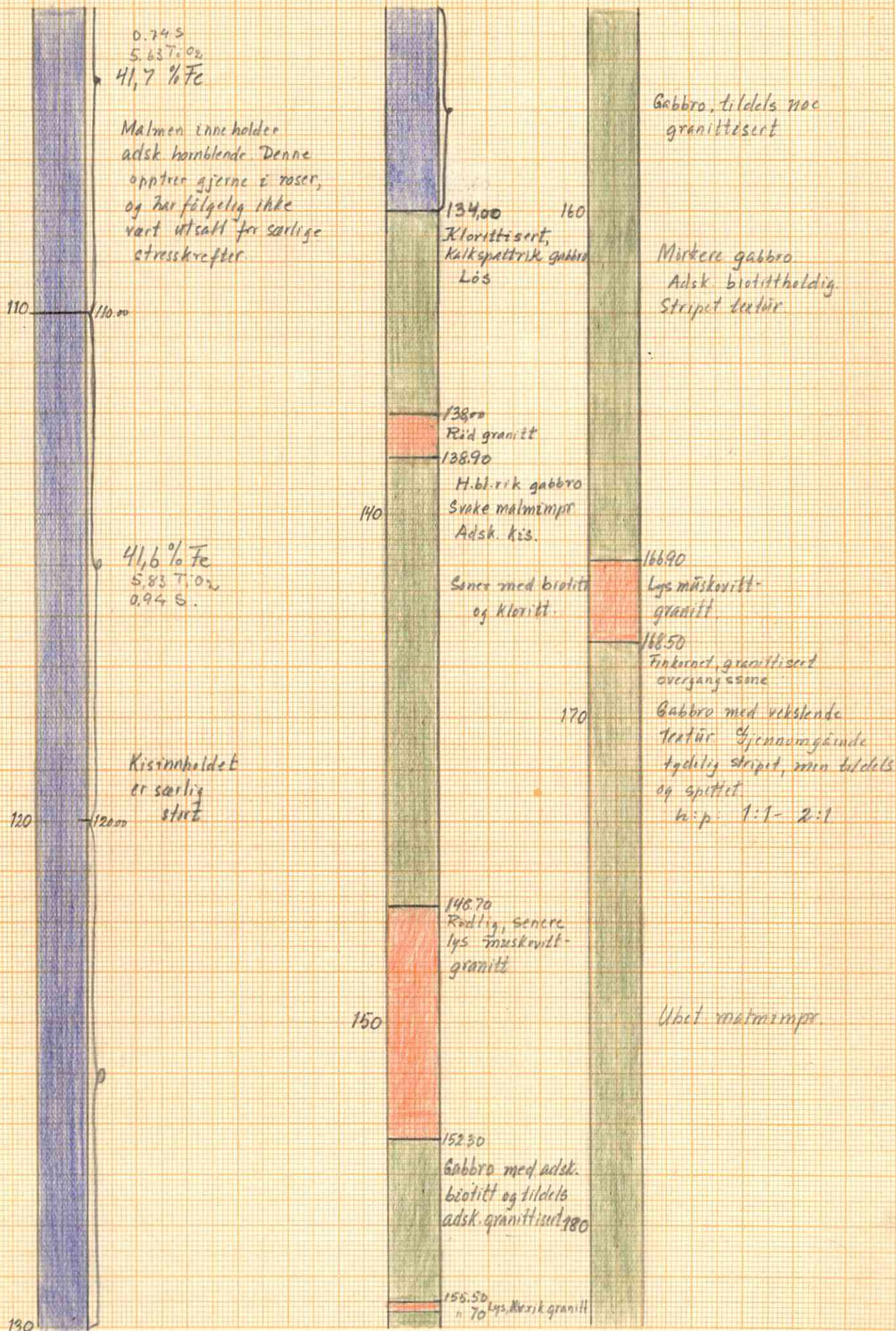


80

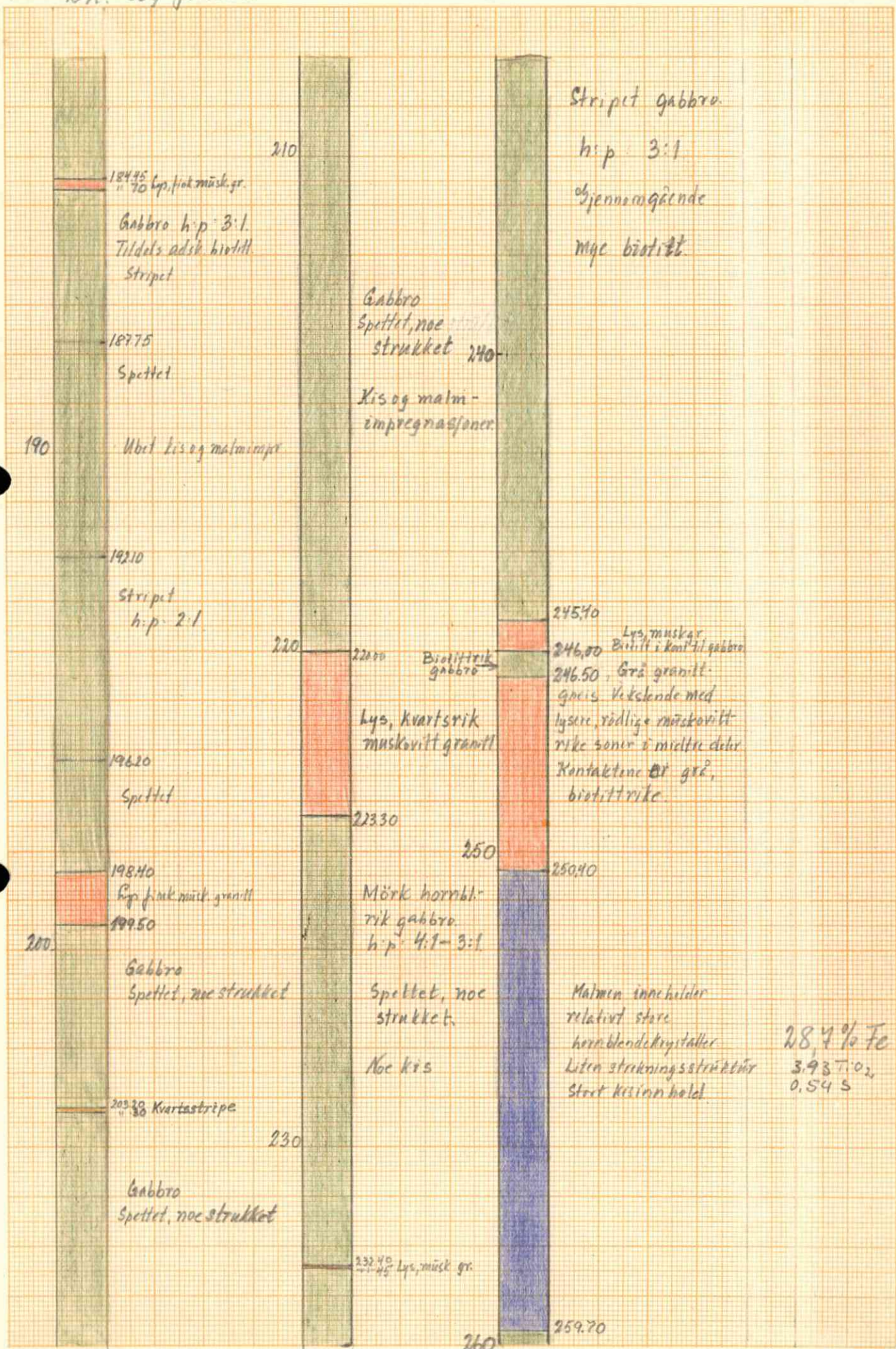
X



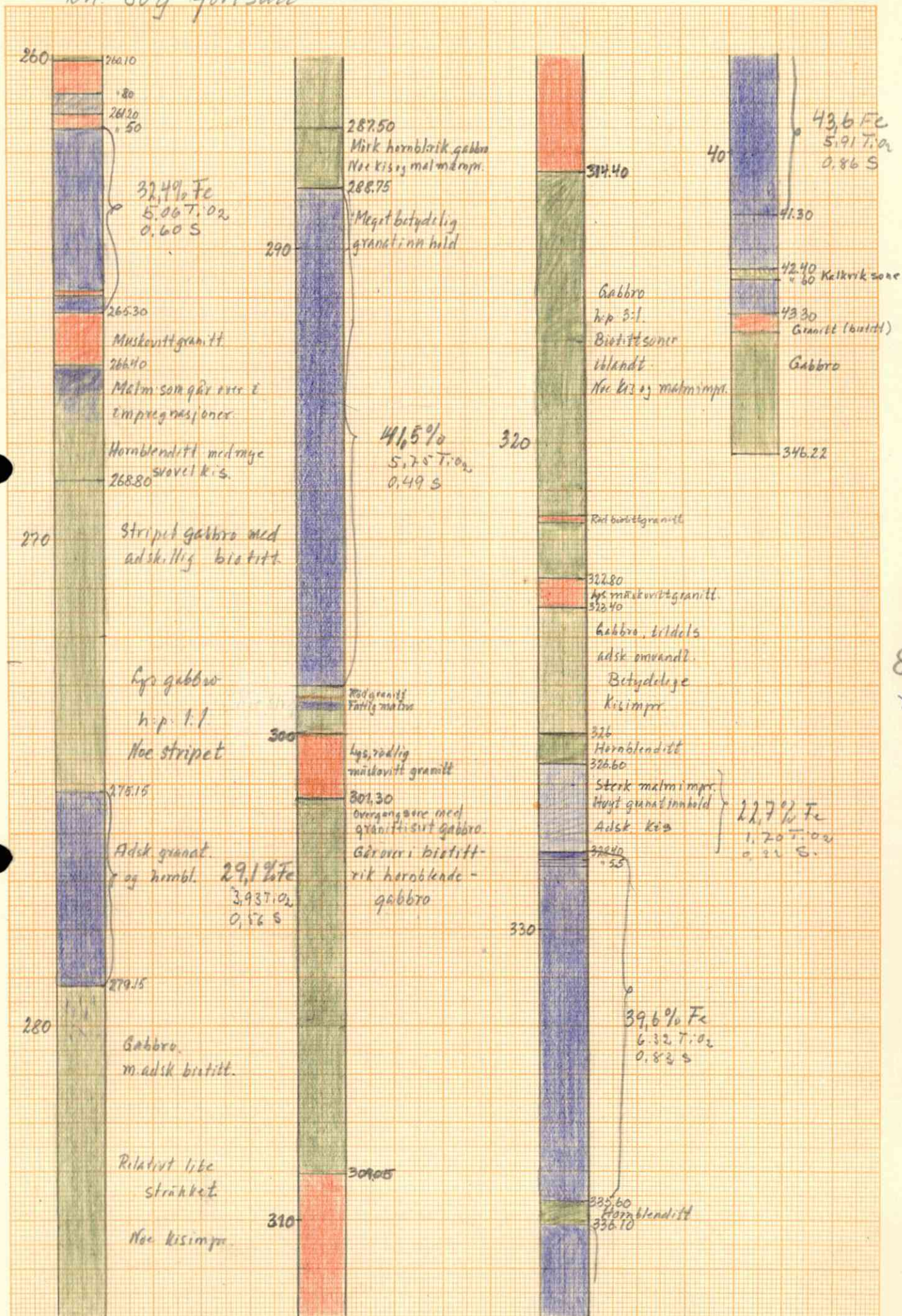
Bh. 80g fortsatt



80
x

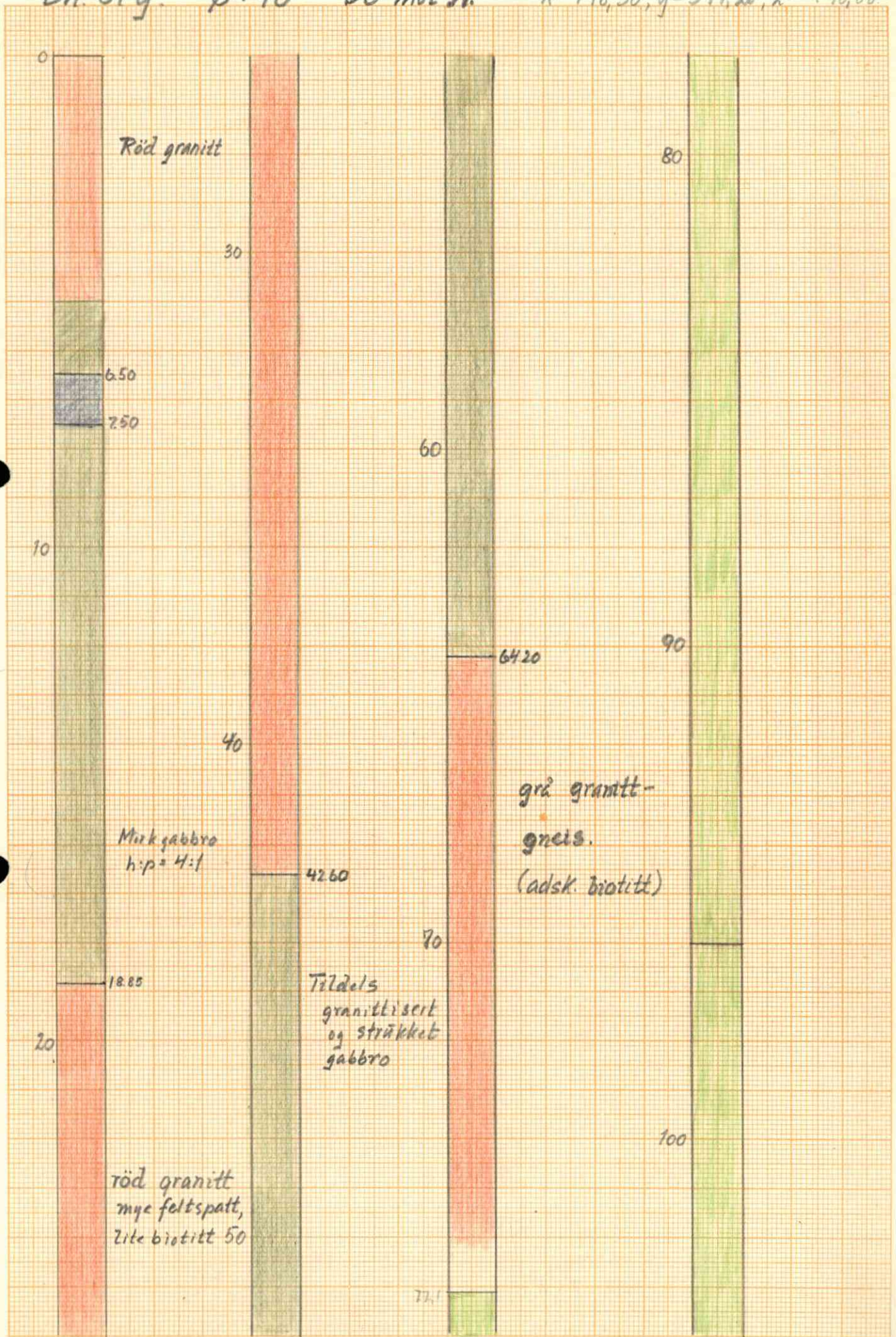


Bh. 80g fortsatt



80
x

Bh. 81 g. $\varnothing \div 40$ 55° mot N. $X = 748,30, Y = 547,20, Z = \div 40,00$



81
x

Bh. 8/g. fortsatt.

104

140

160

185,80
186,30

169
169,5

Pegmatit
mässer, trik.

172,5
172,9

Pegmatit.

200

120

180,5
180

203,9

204,5

180

180,63

181,10

81g. fortsatt.

240

242,56

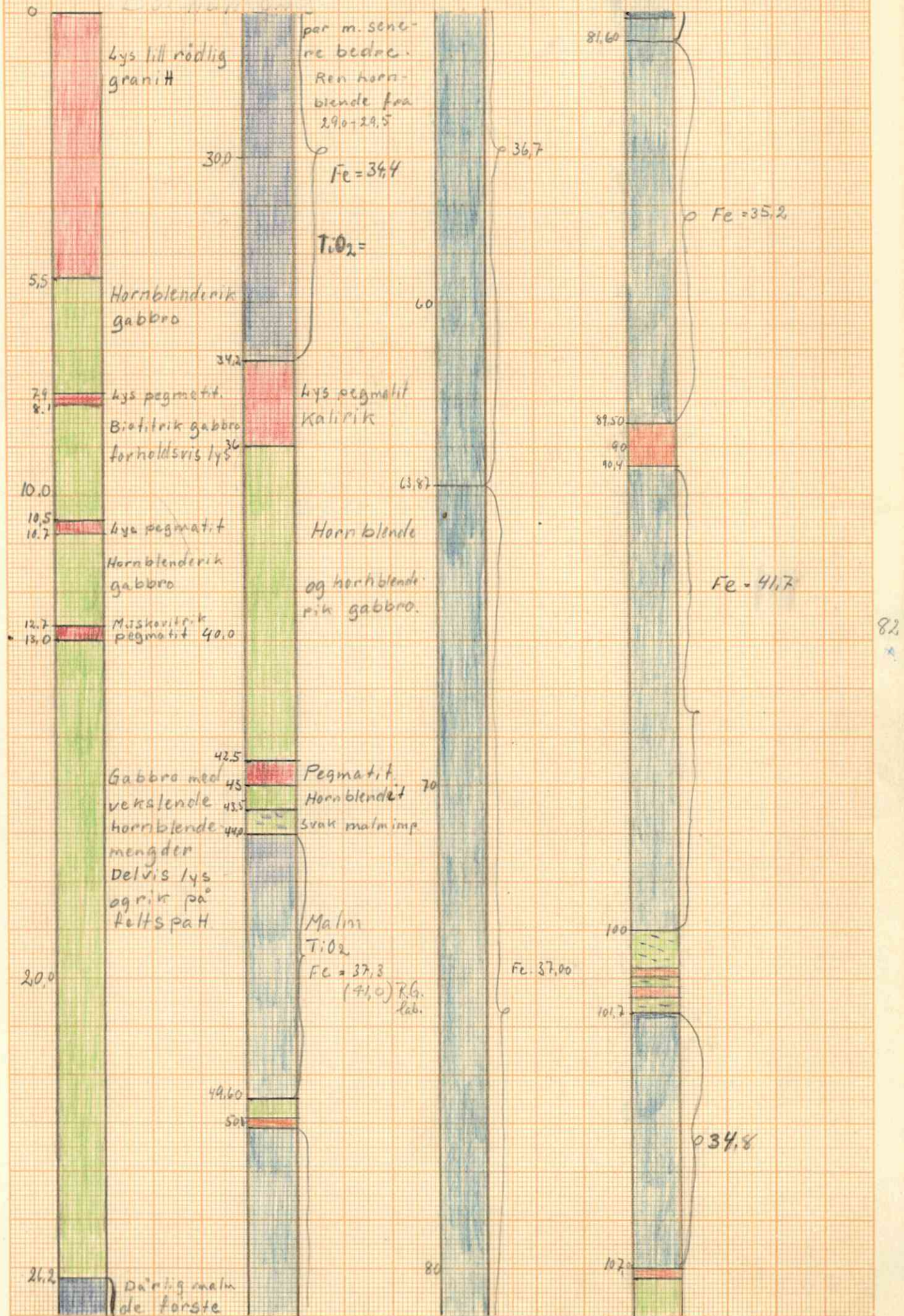
219,12

220

221,10

81
X

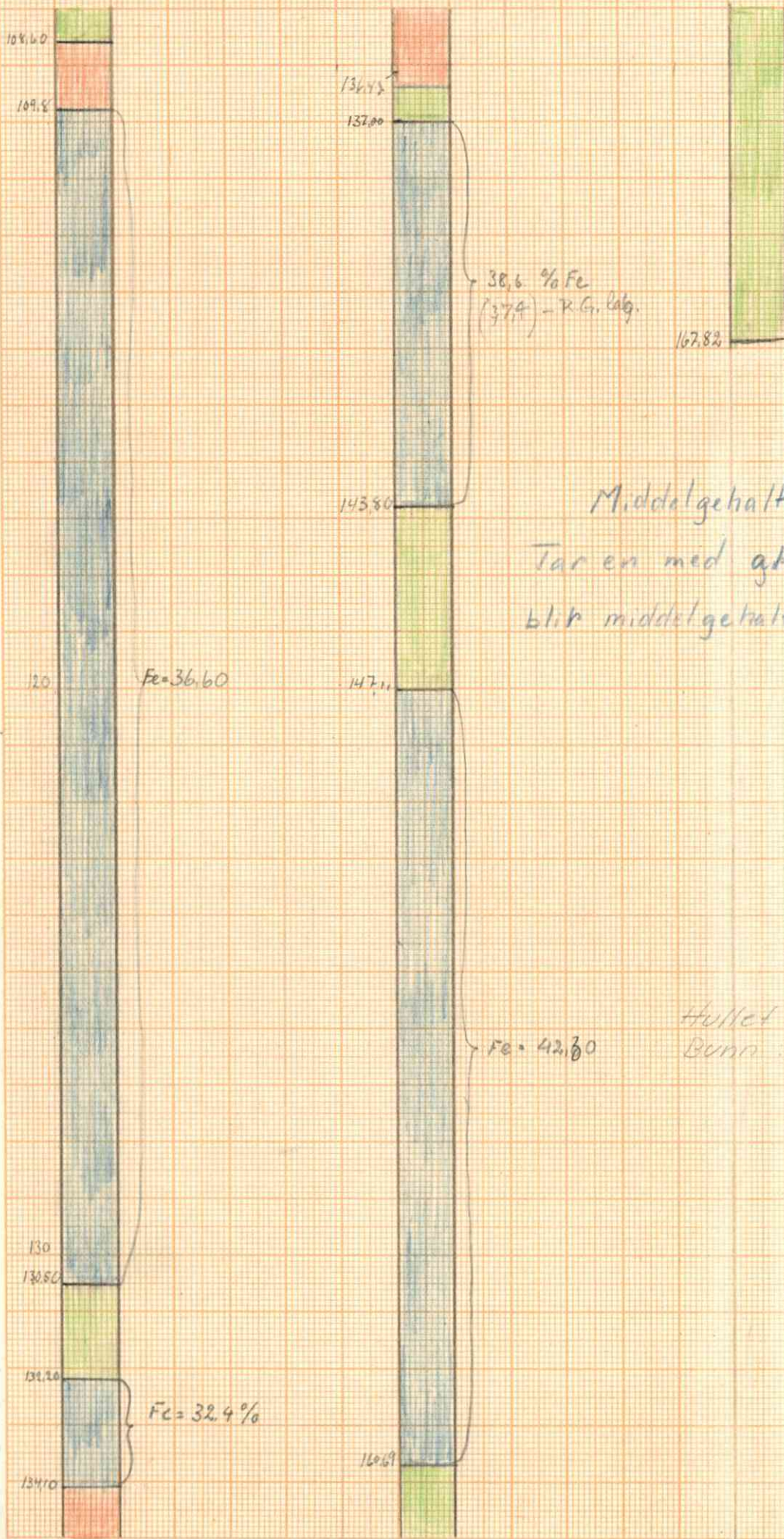
Borthüll nr. 82 g. Tv. slag - 40-Syd 60° X = 843.23, Y = 740.56, Z = +38.13
 ÷ 100 X = 842.42 Y = 704.31 Z = +98.24



8

159
43
116
113
8
121

82 g. fortsatt.

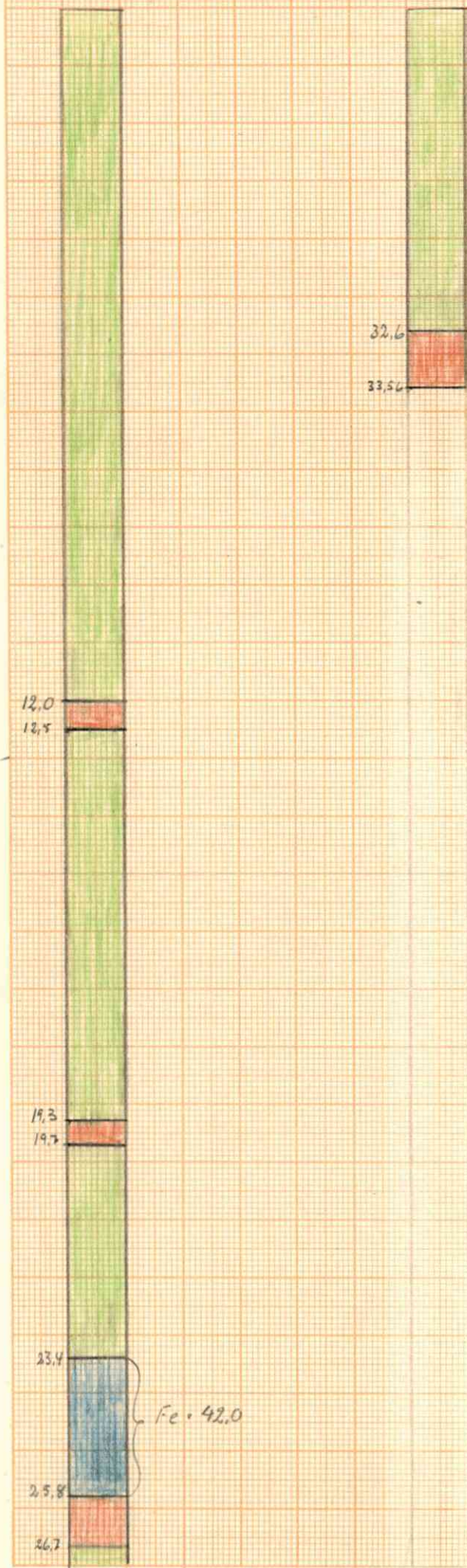


Middelgehalt 37.6% Fe
Tar en med gtt grå berg
blir middelgehalten 35.4% Fe

Hullet er boret dybere.
Bunn : 267.2 m

82
x

Borhüll 83g. $0^{\circ} 0' 40''$ $X=874,50, Y=695,36, Z=37,25$

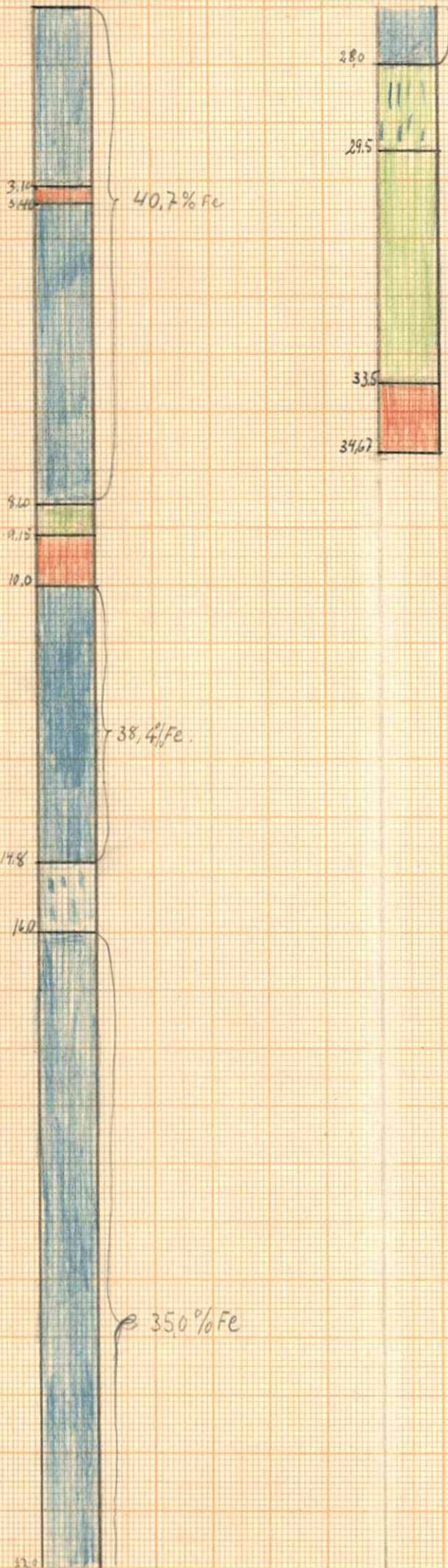


Kjerner ikke oppbevart

83

X

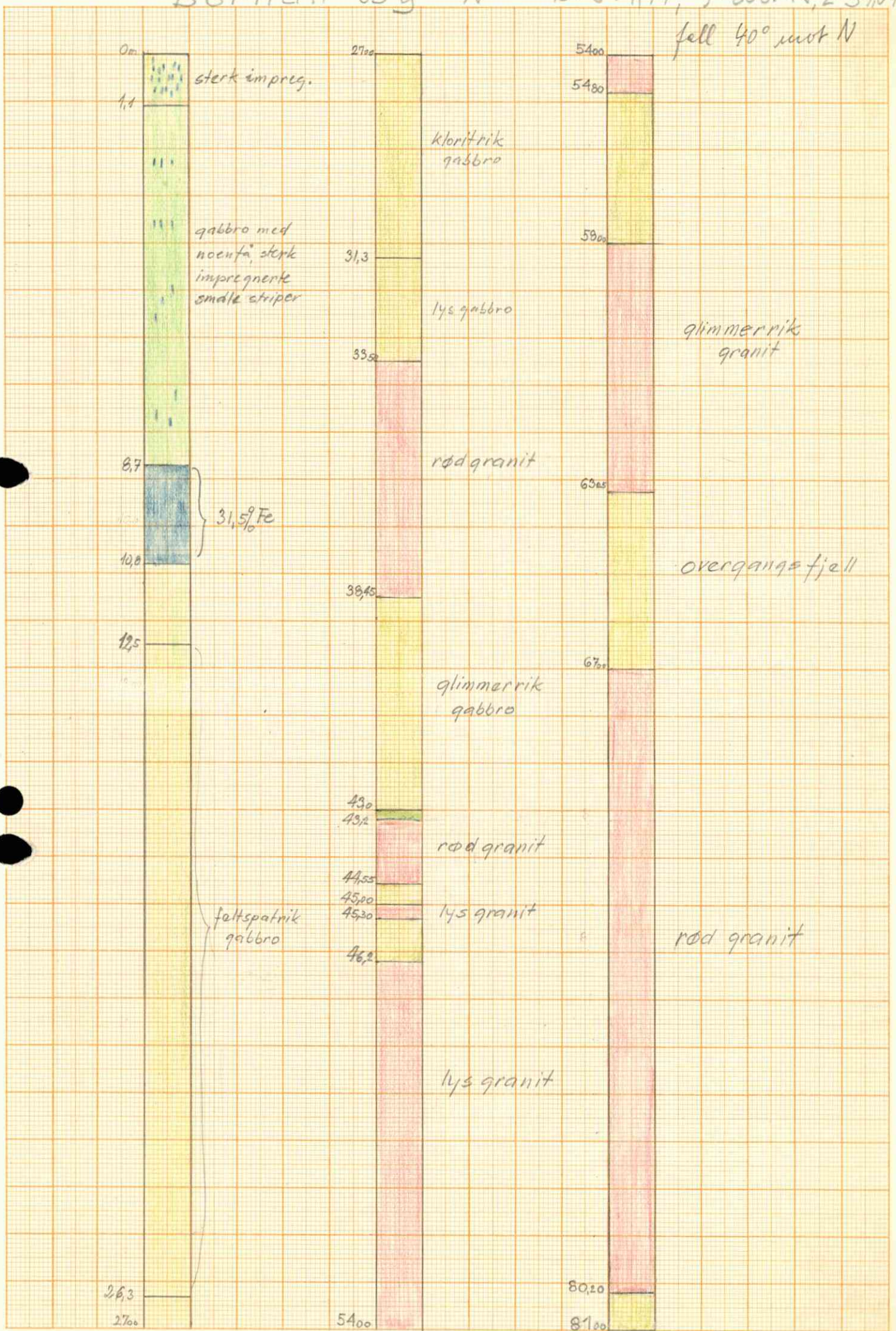
Borhäll 84 G. $D = 40^\circ$ O° $X = 874,50$ $Y = 689,46$ $Z = 37,25$



84
X

Borkull 85g N=40 X=844.71, Y=606.43, Z=39.09 m.

fell 40° mot N



85
x

fortsatt:

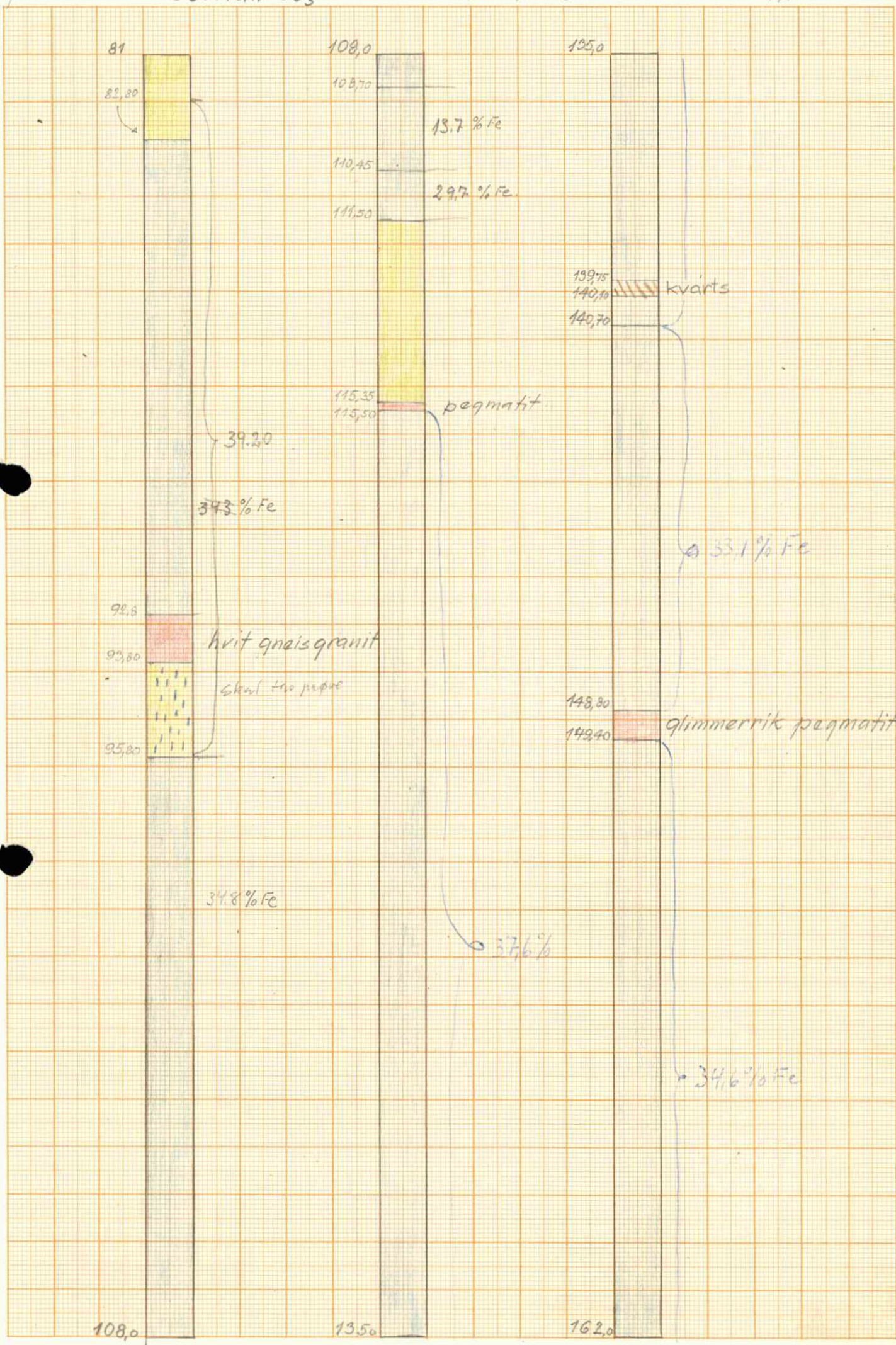
Borhull 85g

N: 40

x = 844,71 y = 606,43

z = 39,09

Topp
rør



85
X

fortsatt: Borhull 85g N⁻⁴⁰ x = 844,71 y = 606,43 z = 39,09 Topp
rer

162,00

166,30

17,7% Fe.

168,30

500 m 25 m 10 m 5 m

Rödgods med kinnbr till.

18,4% avgång med 15,6% Fe

31,6 " konsentrat " 56,2% Fe

+40

+70

+100

+120

+140

20%

10%

5%

34,0

38,2% Fe

31,9

175,50

500 m 25 m 10 m 5 m

167,80% Fe

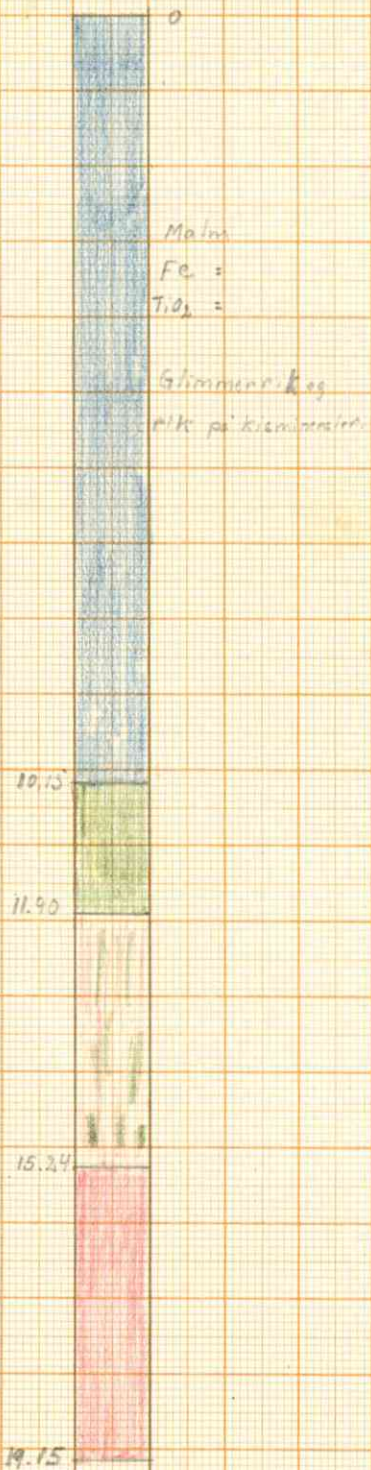
179,50

188,63 m

85

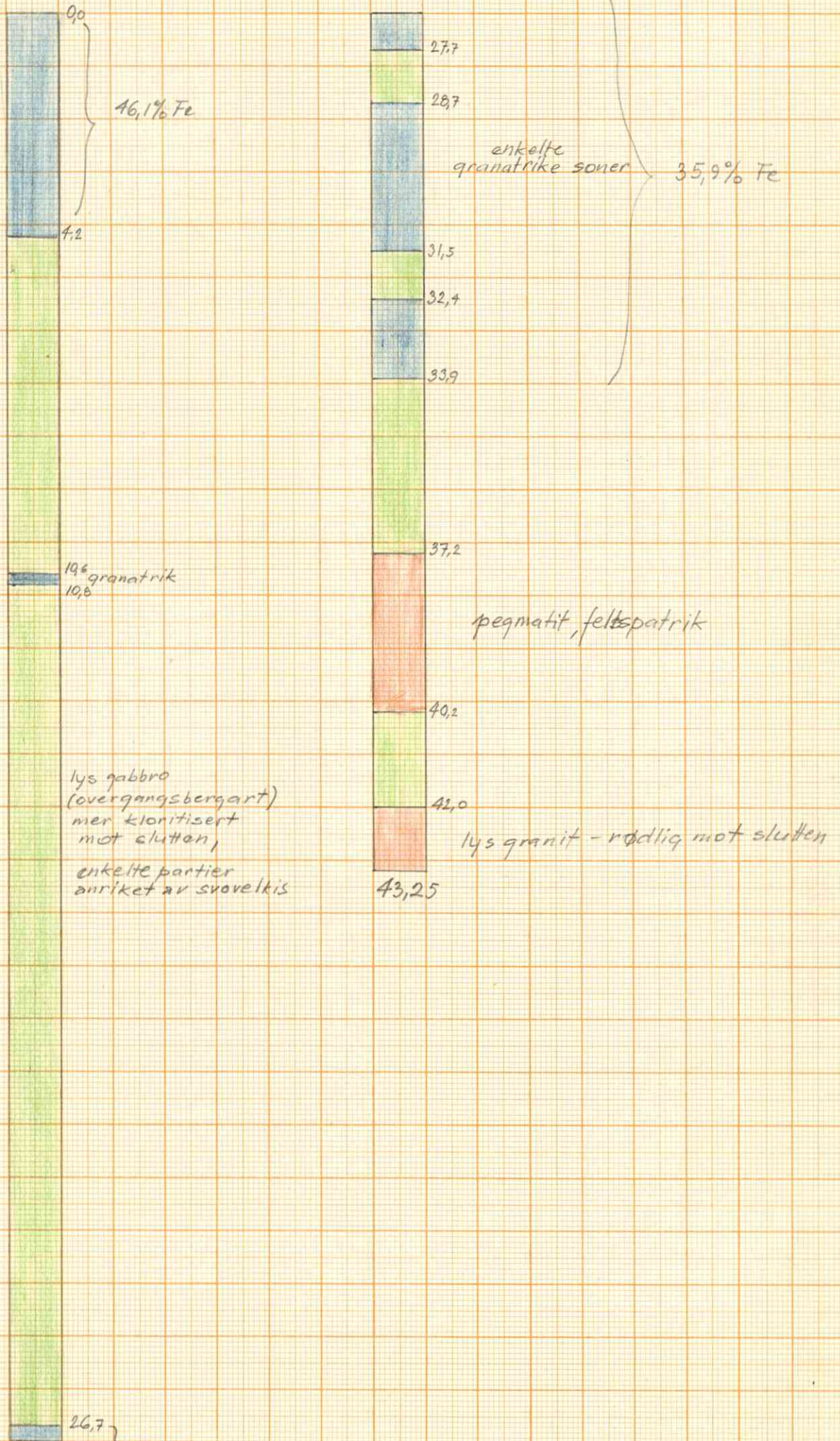
X

Borhäll 86g. D_{40} $X=897.80$, $Y=684.13$ $Z=\pm 36.99$



86
X
X

Borhull 87g. D=0° X=897.64 Y=689.64 Z=36.99.



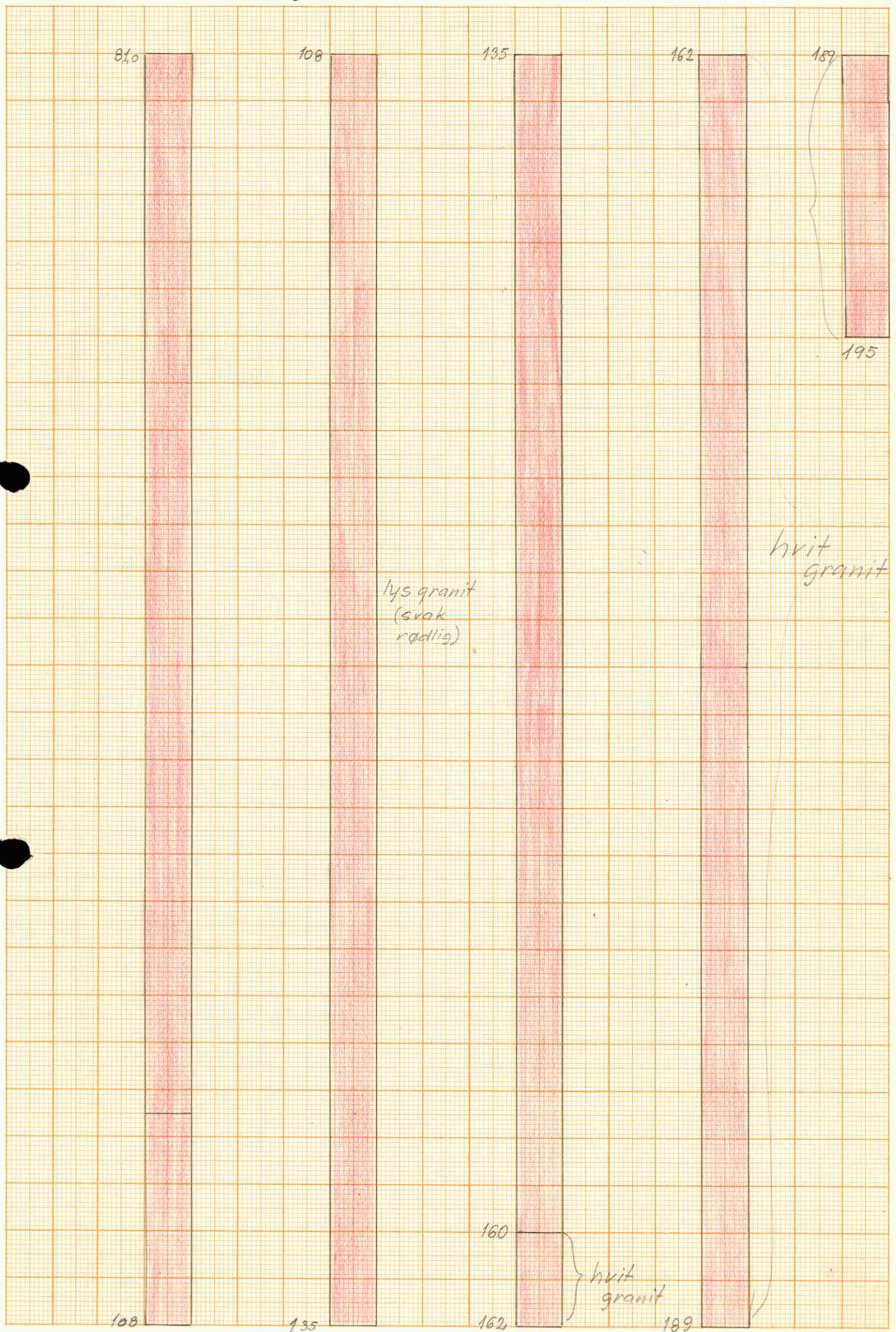
87
X
X

Borhull 88g. $O=40$ $X=843.99$ $Y=741.95$ $Z=-38.65$ 40°



88
x

Borhull 88 g $0 \div 40$ mot Nord 40° - $x = 843,99$ $y = 741,95$ $z = \div 38,65$



Malmpåsar

Pröve fra $\phi 60$ anslutet ad Grave 1948

Fe = 34,4% - 6,35% TiO_2

Fe i konsentrat 53,44%

" i avfall 15,70%

Pröve fra Z 152

Fe 34,2%

Magnetisk 48,7% med 5,10 % Fe (Gruvskor i sig selv)

Uagnetisk 51,3% med 15,00 % -

Borhäll 89 g. 7⁴ Horisontalt mot S. X=1147.75 Y=922.19, Z=13.23
1144.48 923.67 12.88

A 4. EMO m. 6904.



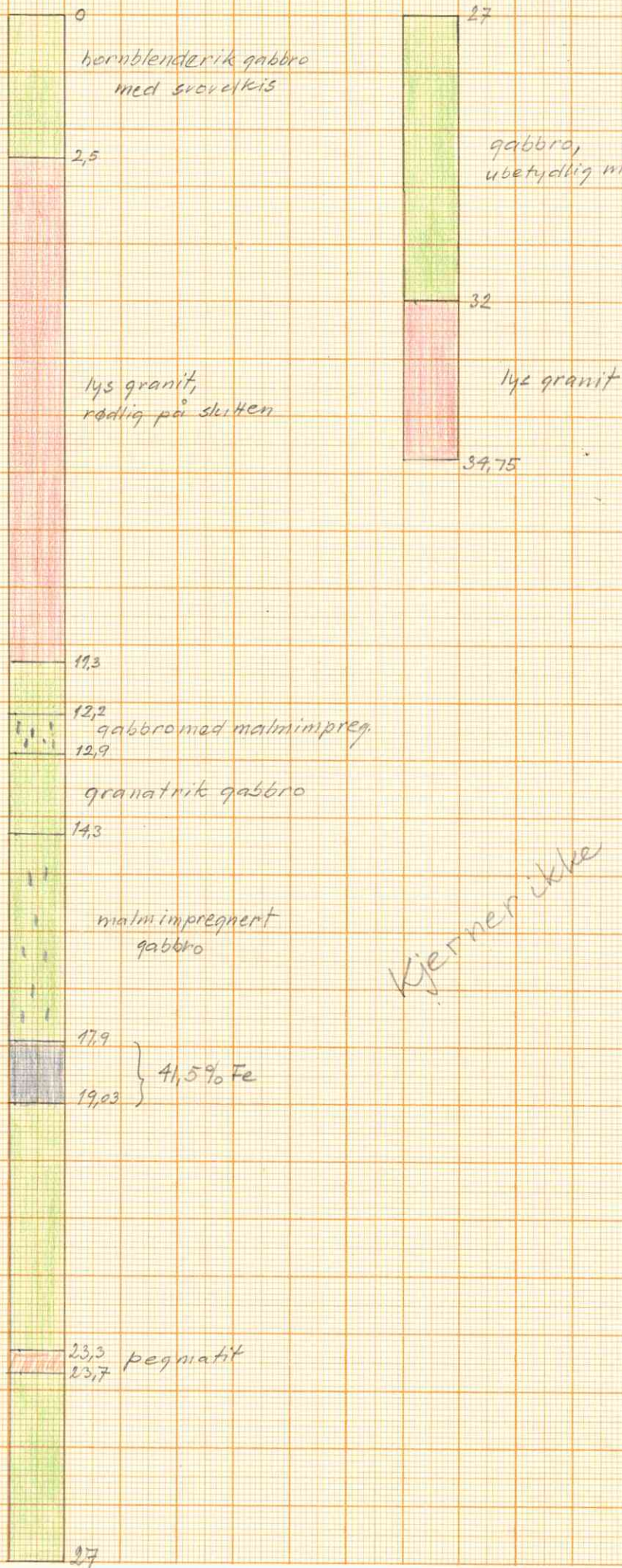
89
X

Borhäll 90g. Z⁴. Horisontalt mot N. X = 1147.49' Y = 935.12' Z = 1320'
 1144.29' 929.52' 12.85'



90
X

Bor hull 91. Z⁴ horisontal mot Syd. X=1122.95, Y=933.44, Z=13.03
 1119.76 928.12 12.71

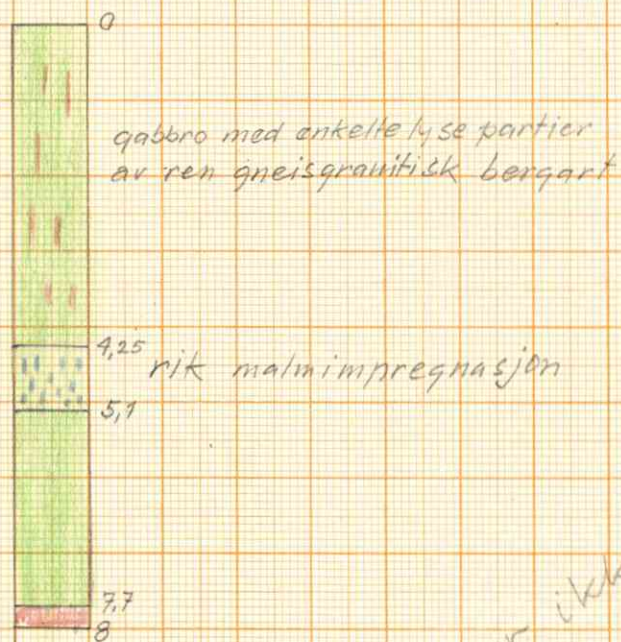


Kjerner ikke oppbevart

91

X

Borhull 92 Z⁴ horisontal mot nord. $x = 1122.97$, $y = 939.32$, $z = 13.00$.
1119.85 934.00 12.68.



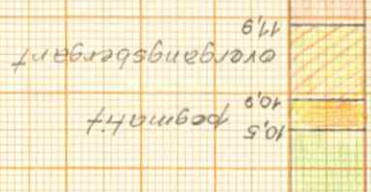
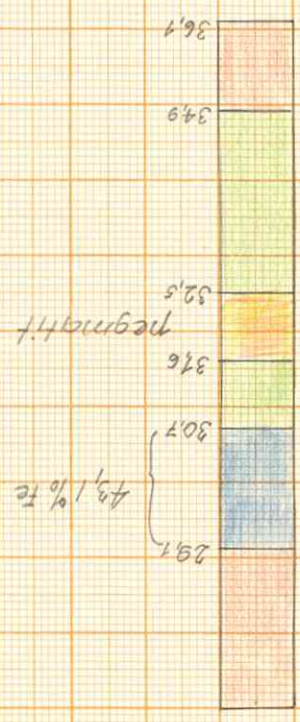
92

Kerner ikke oppbevart

93

Borhull nr 93 Z 4 horisontal mot syd

X = 1099,93 1096,86
 Y = 942,61 937,75
 Z = 12,80 12,48

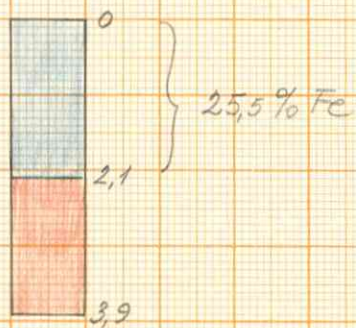


20

40

80

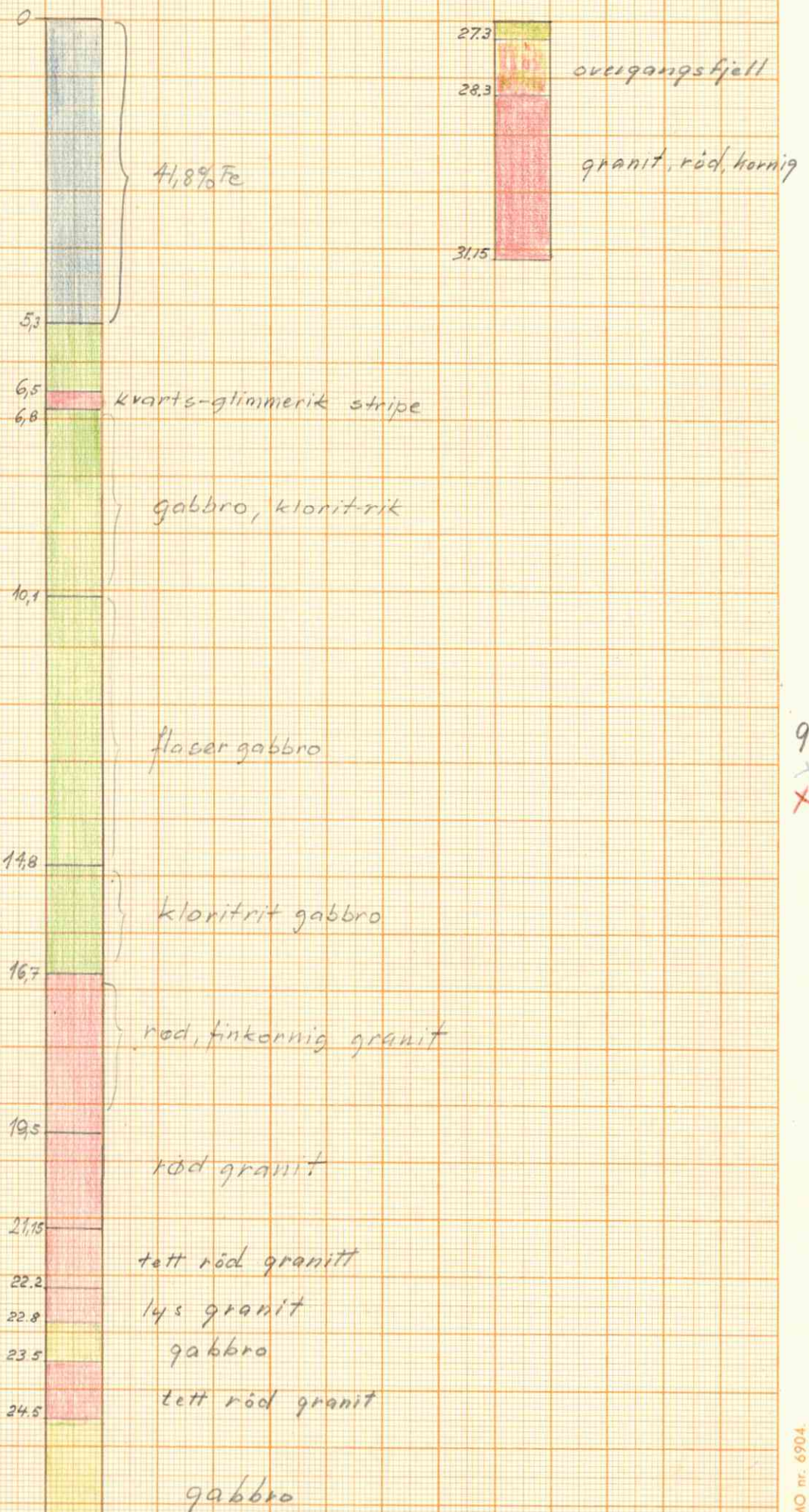
Borhull 94 Z^4 Horisontal mot Nord. $X = 1099.99$ $Y = 948.32$ $Z = 12.74$
1096.96 943.25 12.42



Kjerner ikke oppbevart

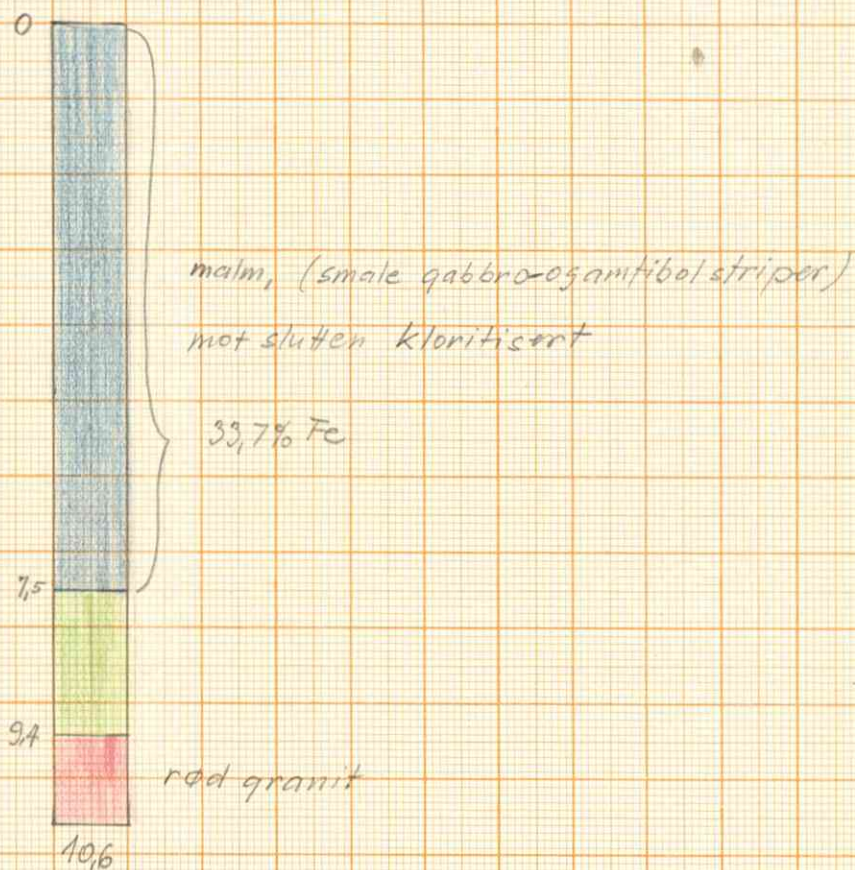
94
x

Borhäll 95 D-40 vest. Horizontal mot. N. $x=949.11, y=698.86, z=-36.46$.



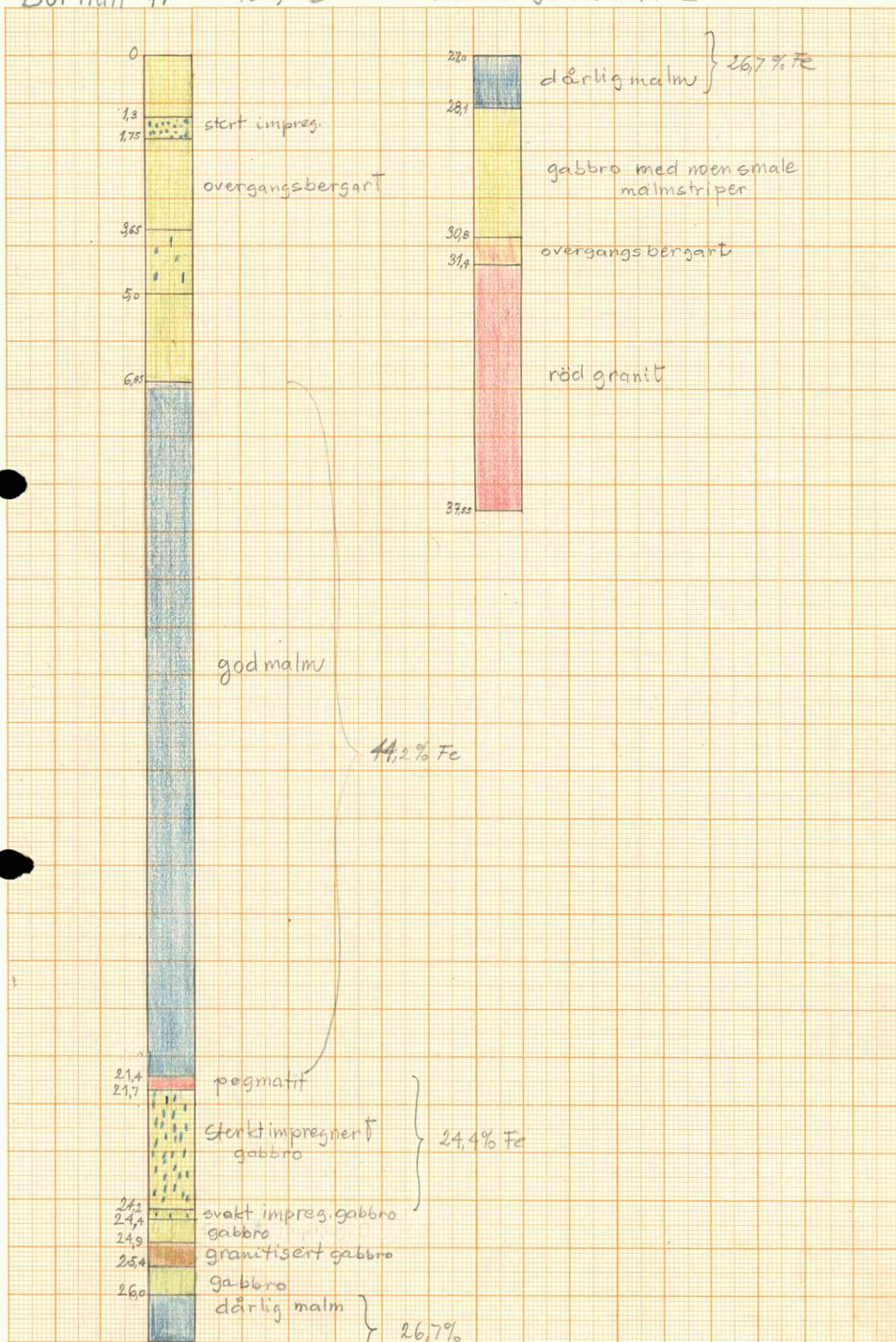
95
+
x

Borhäll 96 D-40 vest. Horizontal mot S. $x=949.14, y=692.37, Z=-36.47$.



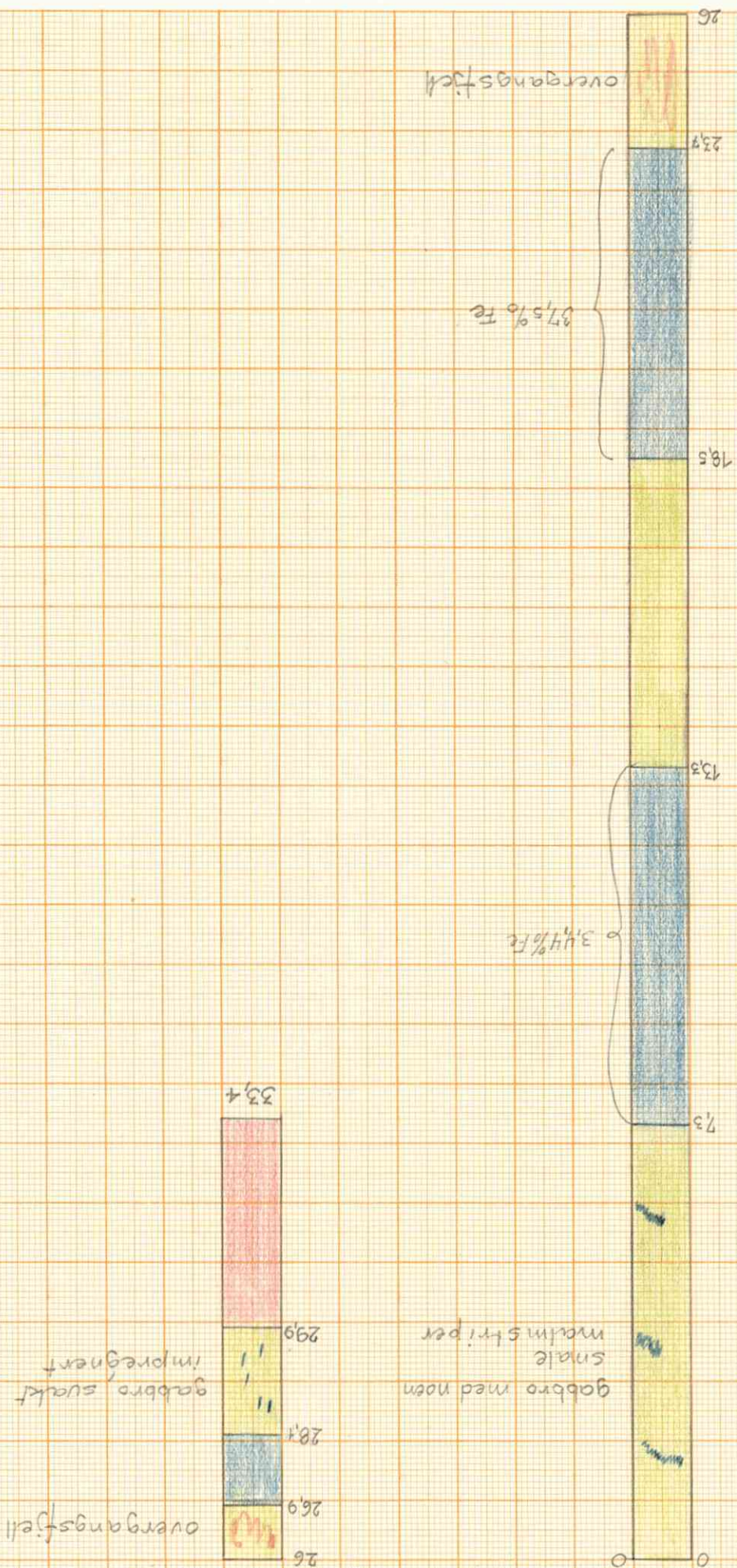
96
x
x

Borhull 97 - 90° ± B²³⁴ x = 1550.00. y = 1030.44. z = +236.72.



97

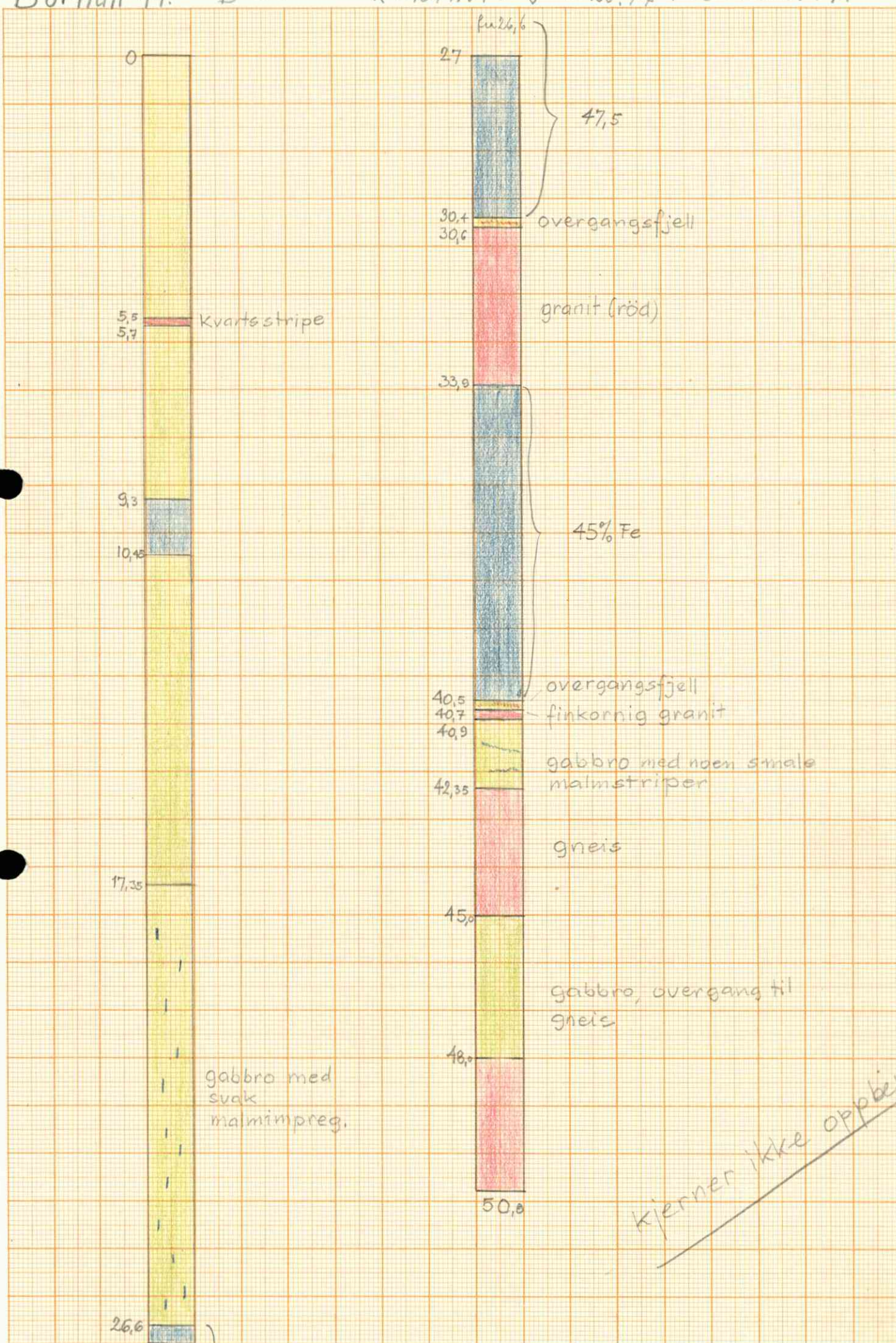
Borhull 98, B 234. X = 1549.93. Y = 1029.23. Z = +239.20.



Borhull 99.

B ²³⁴

X = 1649.89. Y = 1028.77. Z = +237.74.

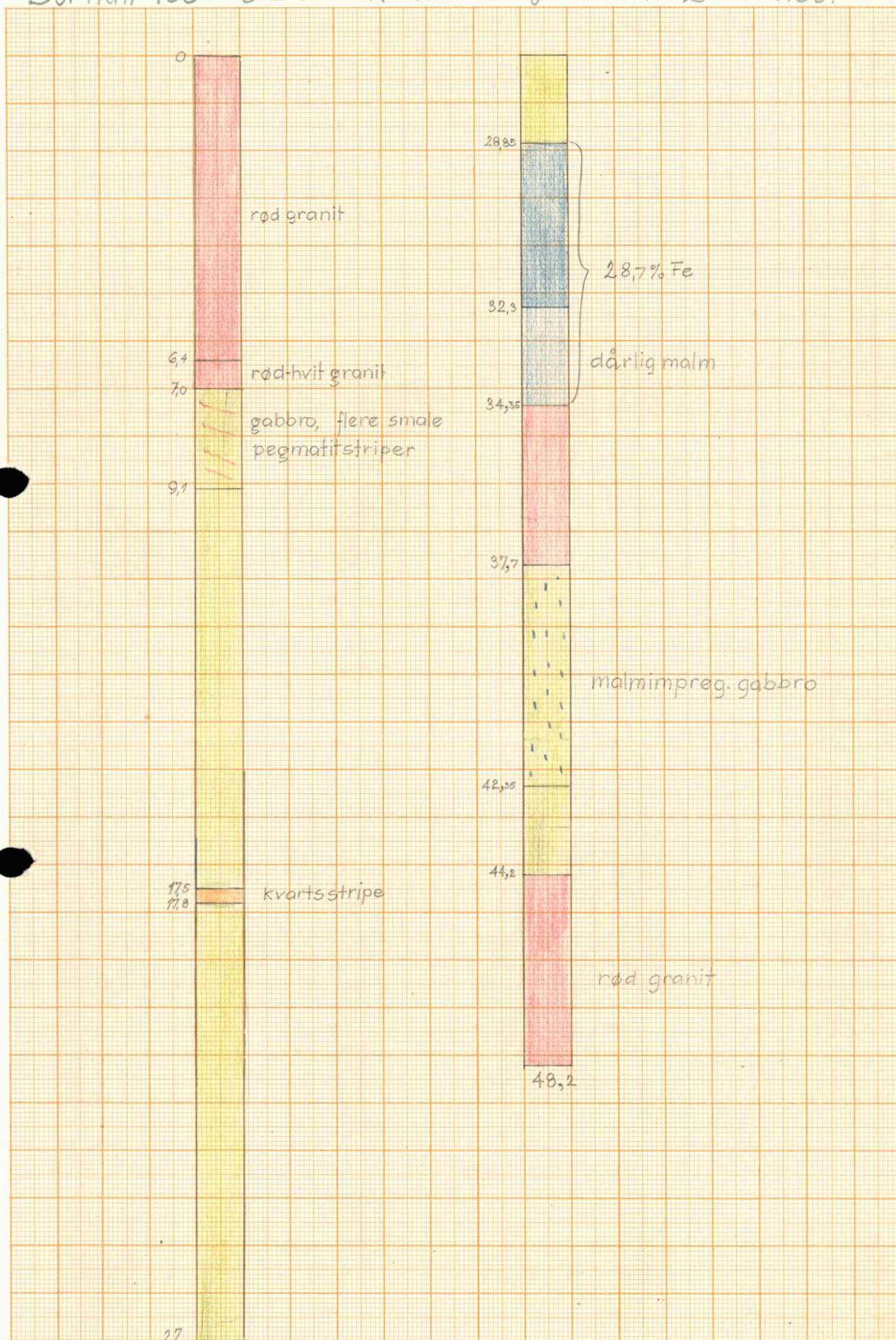


99

Kjerner ikke oppbevart

Borhäll 100. B²³⁴

X = 1549.64. Y = 1087.54. Z = +227.63.



100