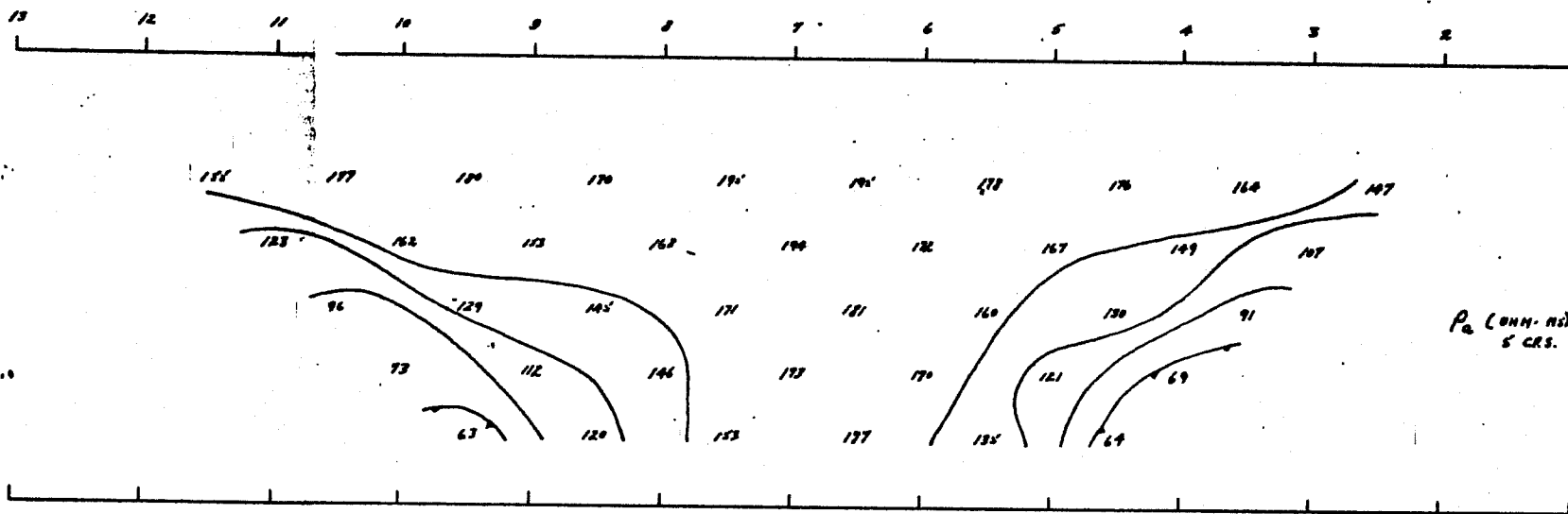
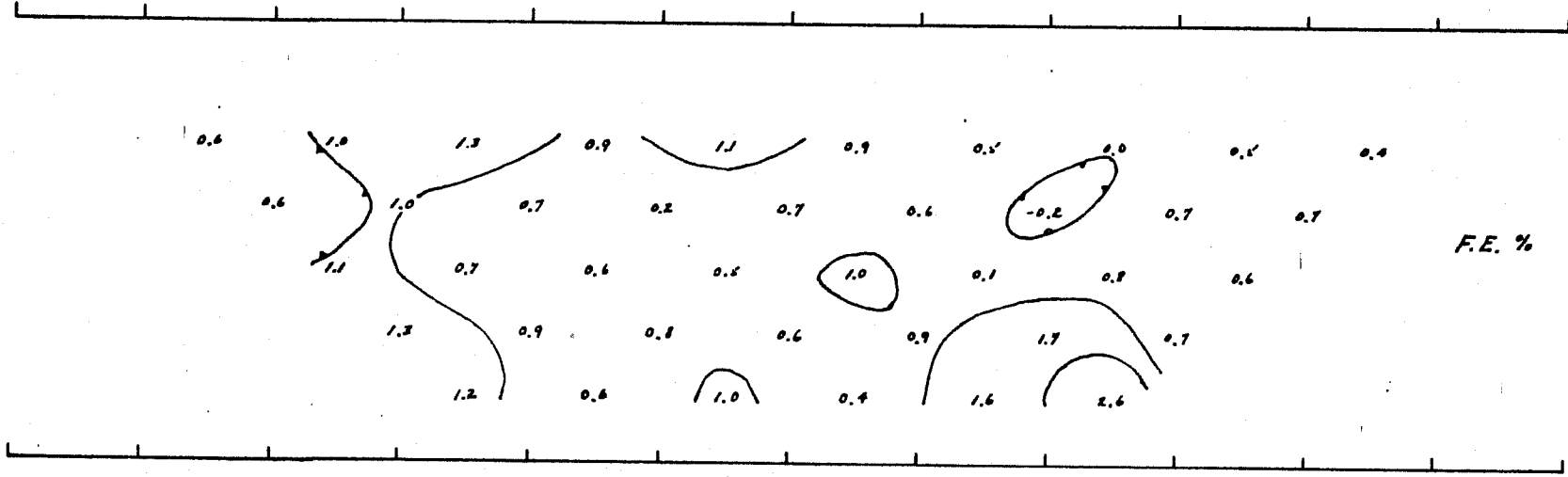


005168



LASS TANK :
 61 cm. x 30.5 cm. x 30.5 cm
 DISTINCT LOWS AT SIDES
 DUE TO EFFECTS OF TANK SIDES

P_0 (OHM-MS)
 5 CRS.



BACKGROUND
 ≈ 0.002 N SALINE SOL.
 DIPOLE - DIPOLE $z = 4$ CM.
 FREQ = 5×10^3 C.R.C.
 SCALE 1" = 4 CM.
 LOGARITHMIC CONTOURS

F.E. %

CURRENT ≈ 0.0009 AMPS
 VOLTAGE ≈ 12 VOLTS

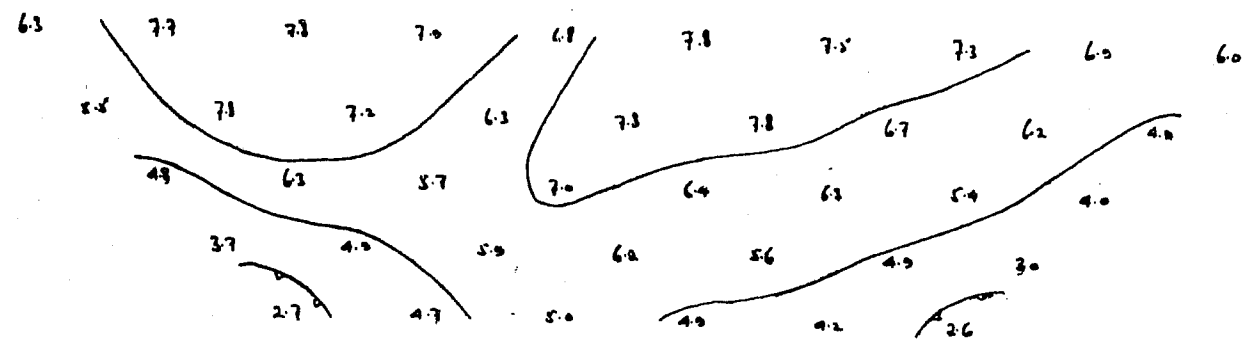
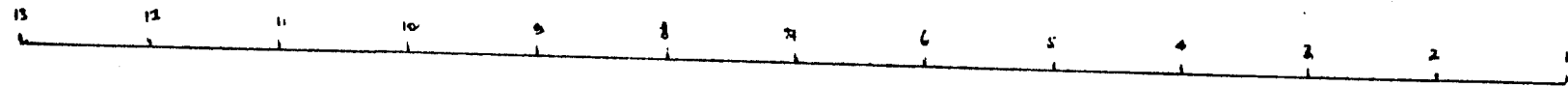


M.F. $\frac{F.E.}{P_0} \times 1000$

GLASS TANK

Tank size 61 x 30.5 x 30.5 cms

Resistivity lows at sides due to effects of tank sides



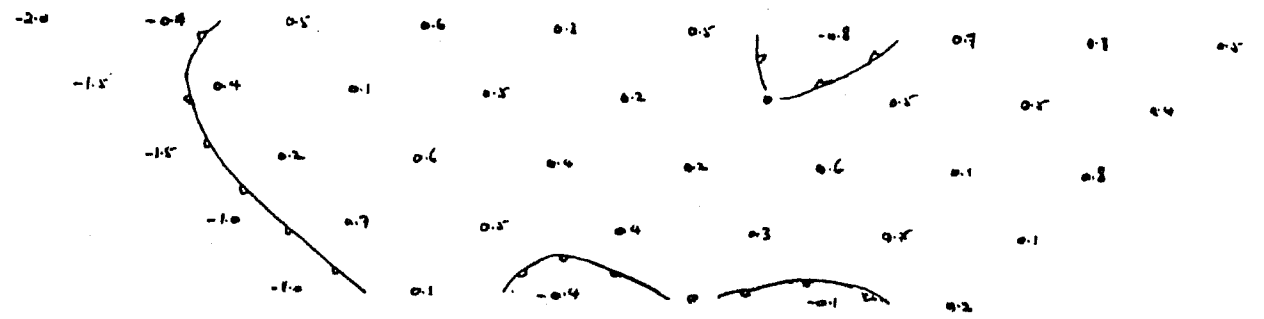
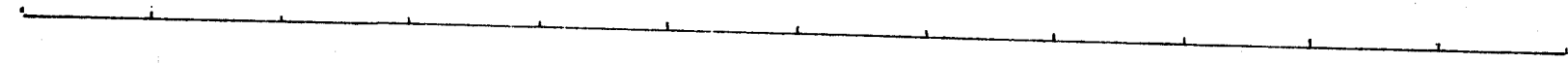
Background ρ_a (ohm-cm) \approx 0.009 N Saline soln
scpr

Dipole-dipole 2, 4 cms

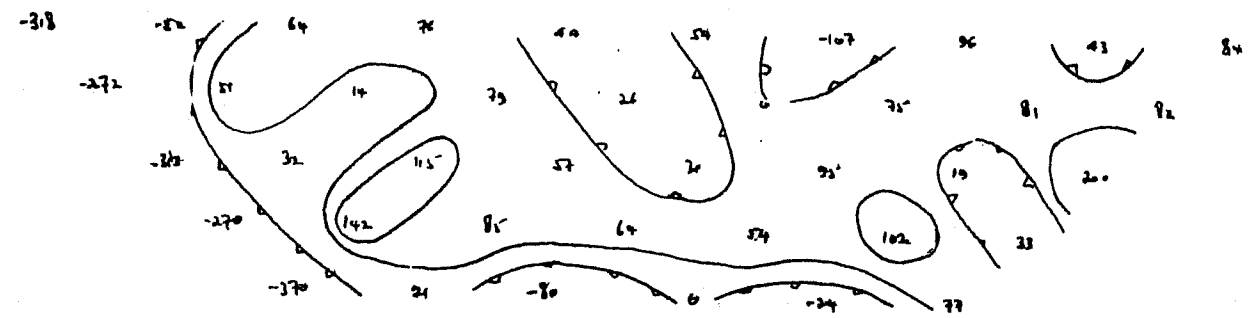
Freq 5 a 0.3 cps

Scale 1" = 4 cms

Logarithmic Contours

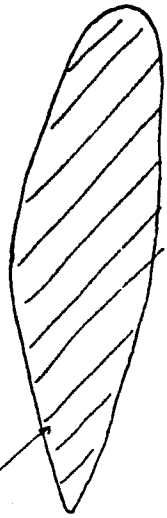


F.E. %

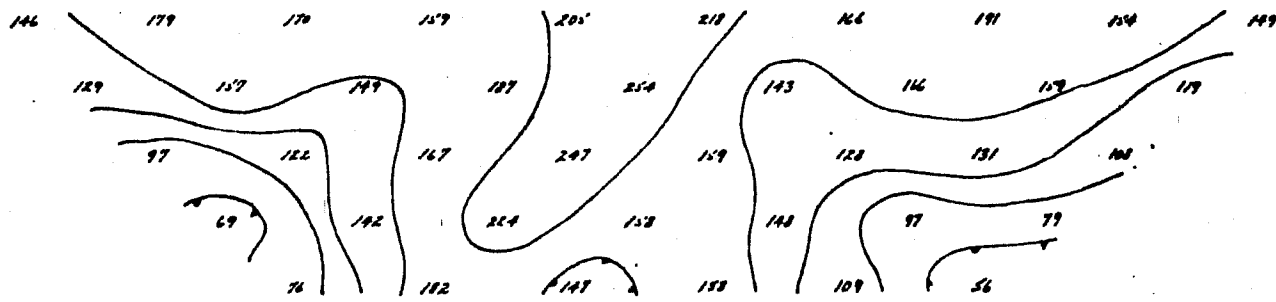


M.F. $\frac{FE}{\rho_a} \times 1000$

SHAPE 7 6 5



15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



P_a CONT-111
5 CRT.

BODY:
14.2 CMS WIDE (WITH DEPTH)
22.8 CMS LONG (ACROSS TRAVERSE)
3.9 CMS THICK (ALONG TRAVERSE)

SHAPE



F.E. %

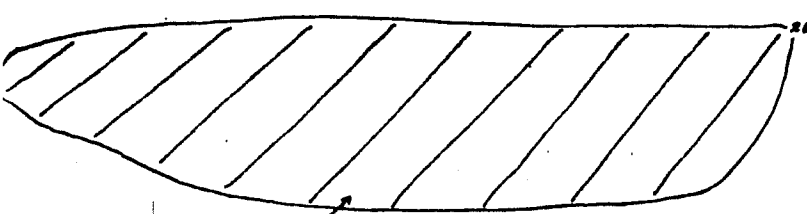
SERVICES SCHEM
DIPOLAR - DIPOLAR $R = 4$ CM
FRE. = 5' 4 0.3 CRT
BACKGROUND @ 0.0002 N SALIN
SCALE: 1" = 4 CRT.
LOGARITHMIC CONTOURS

CURRENT = 0.0002 AMP
VOLTAGE = 12 VOLTS



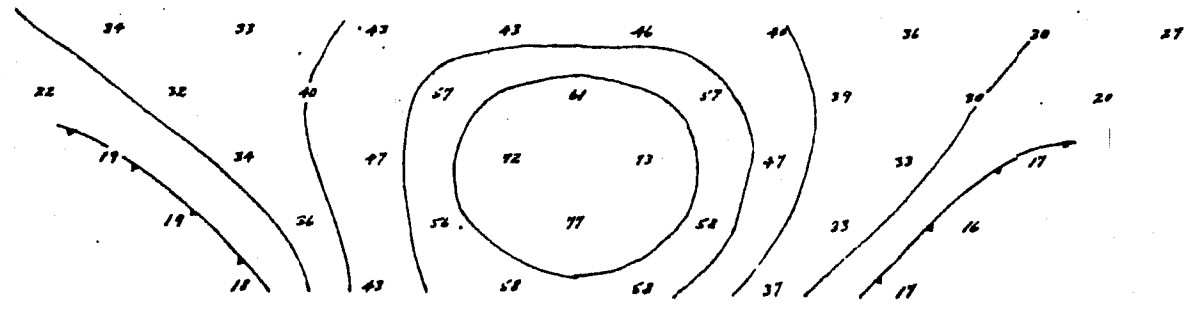
M.F. = $\frac{F.E.}{P_a} \times 1000$

SURFACE



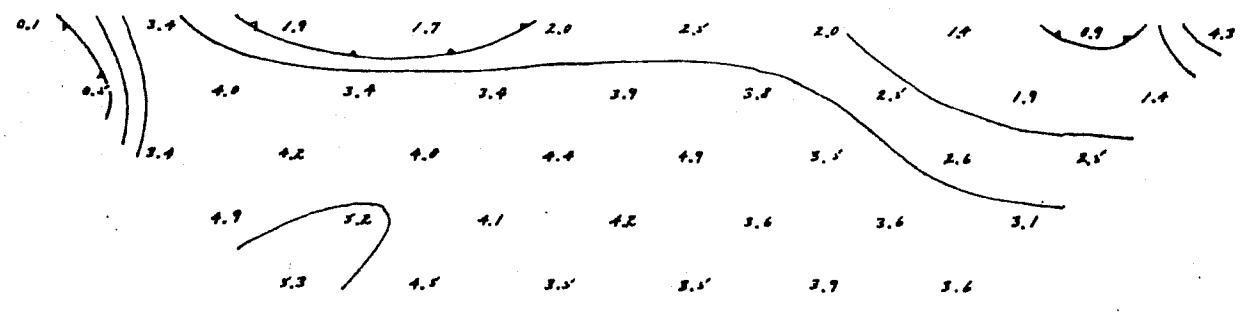
BODY:

- 19.1 CMS WIDE (ACROSS TRANVERSE)
- 22.8 CMS LONG (ALONG TRANVERSE)
- 6.0 CMS THICK
- 1.54 CMS ABOVE WATER SURFACE



P. (CONT-114)
5 C.P.S

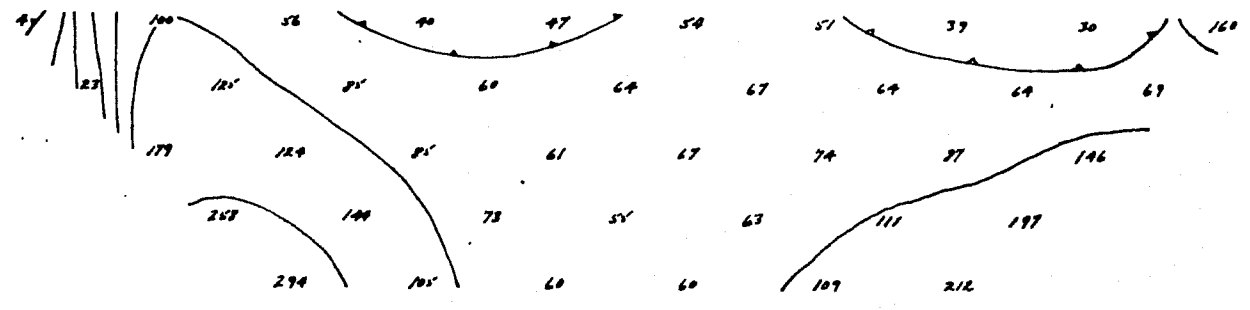
SATINNE



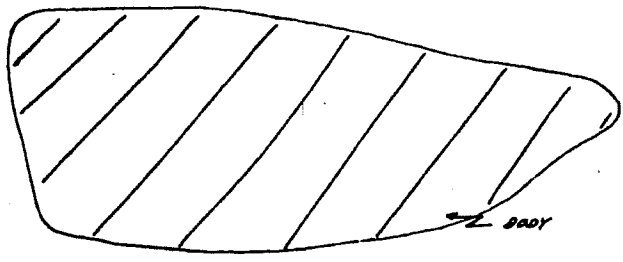
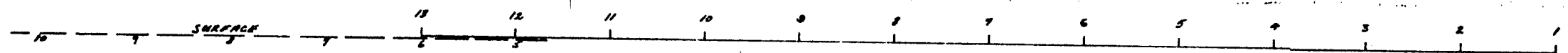
F.E. %

GRAPHITIC PHYLLITE
 DIPOLE - DIPOLE 2 - 4 CMS.
 FREQ. : 5 + 0.3 CMS
 BACKGROUND = 0.002 M SWIM
 SCALE 1" = 4 CMS
 LOGARITHMIC CONTOURS

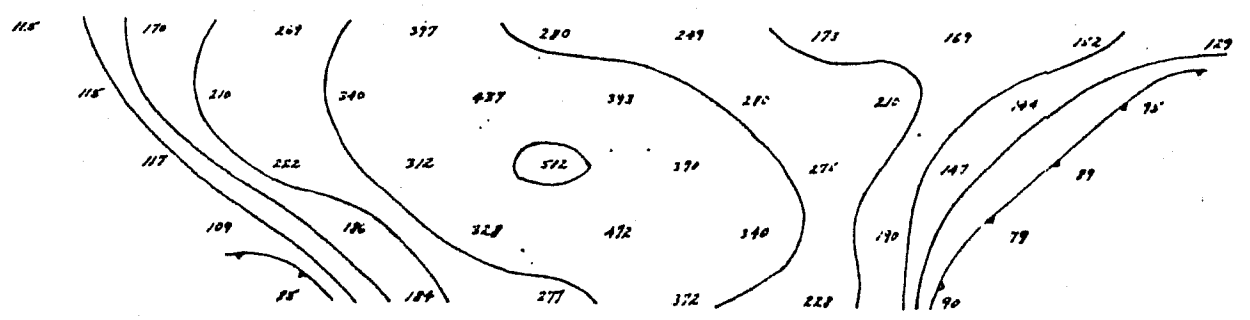
CURRENT - 0.005 AMPS.
 VOLTAGE ≈ 6 VOLTS



M.F. $\frac{F.E.}{100} \times 1000$



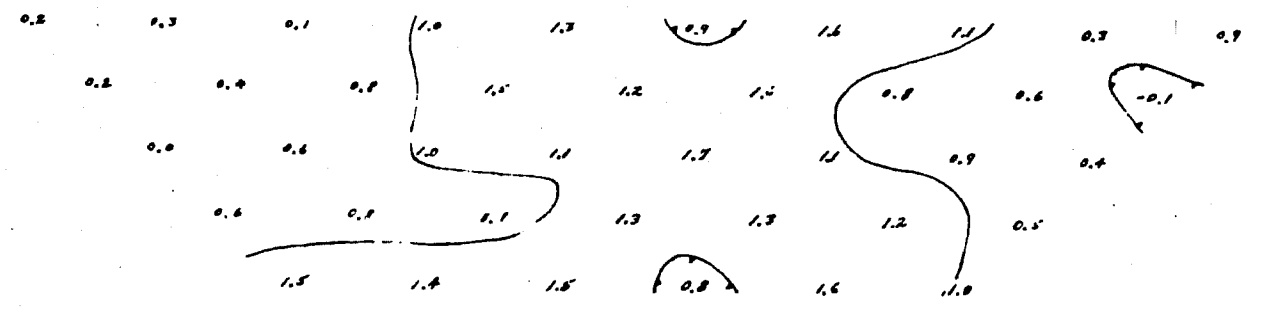
BODY :
 16.3 CMS. WIDH (ALONG TRAVERSE)
 26.4 CMS. LONG (ACROSS TRAVERSE)
 7.6 CMS. THICK



P_a (CMM - M²)
 5 C.G.S.

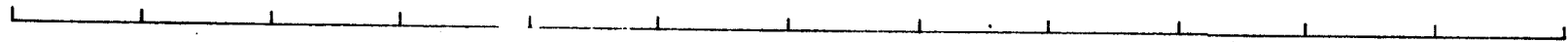


SAMPLE

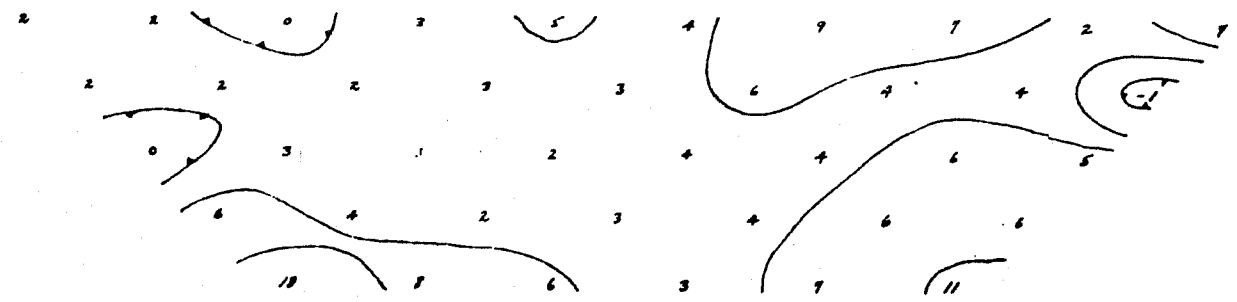


F.E. %

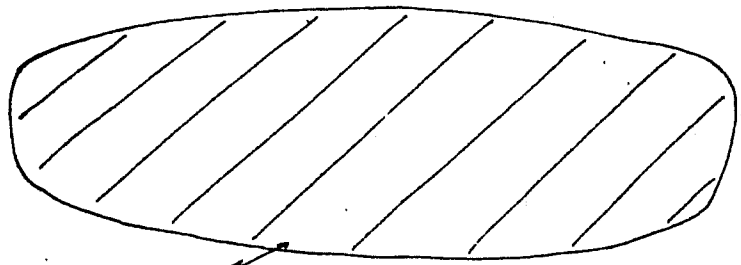
CALC SILICATE
 DIPOLE - DIPOLE ≈ 4 CMS
 FREQ = 54 0.3 C.G.S.
 BACKGROUND ≈ 0.002 N SAME S.
 SCALE 1" = 4 CMS
 LOGARITHMIC CONTOURS



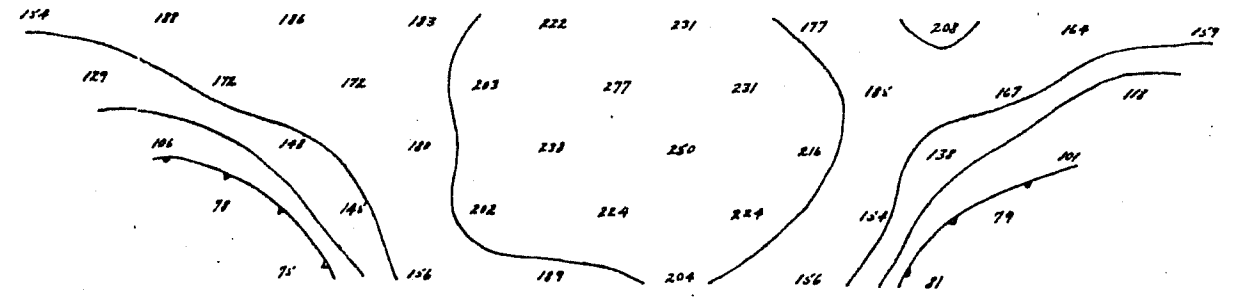
CURRENT = 0.001 AMPS.
 VOLTAGE ≈ 12 VOLTS



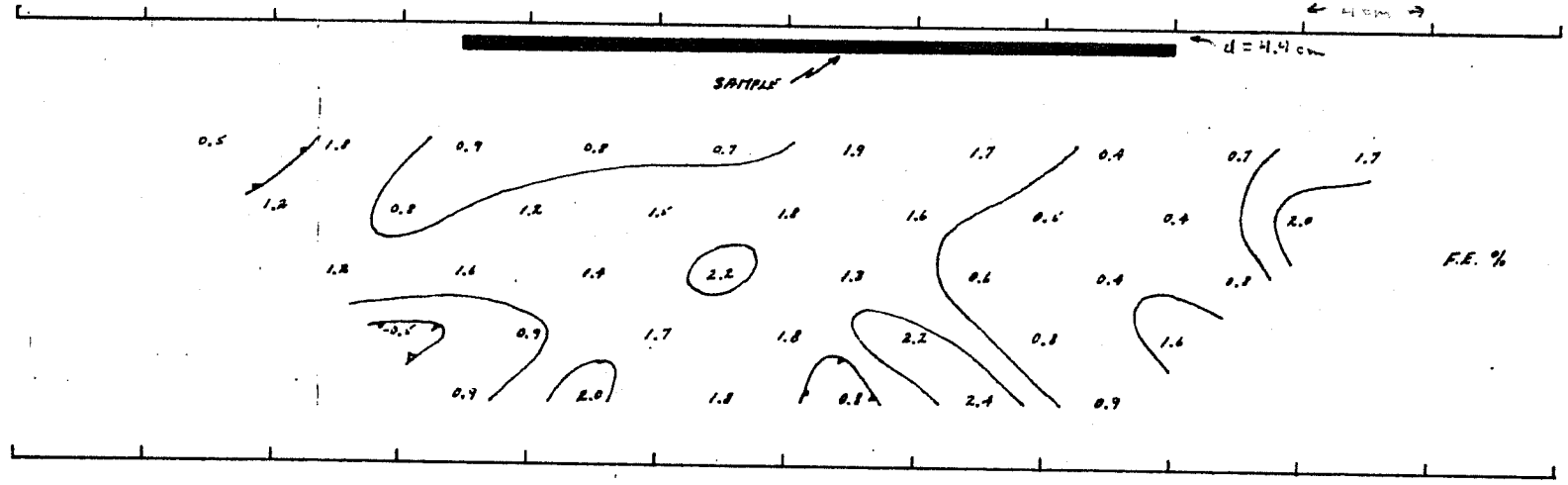
M.F. = $\frac{F.E.}{P_a} \times 1000$



BODY:
 17.7 CMS WIDE (ACROSS TRAVERSE)
 20.3 CMS LONG (ALONG TRAVERSE)
 7.6 CMS THICK
 4.4 CMS BELOW WATER SURFACE

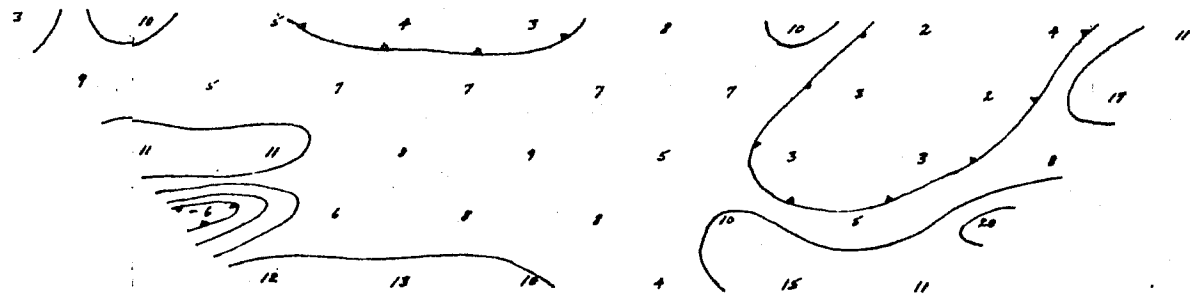


P_u CONT. NO.
 5 C.P.S.

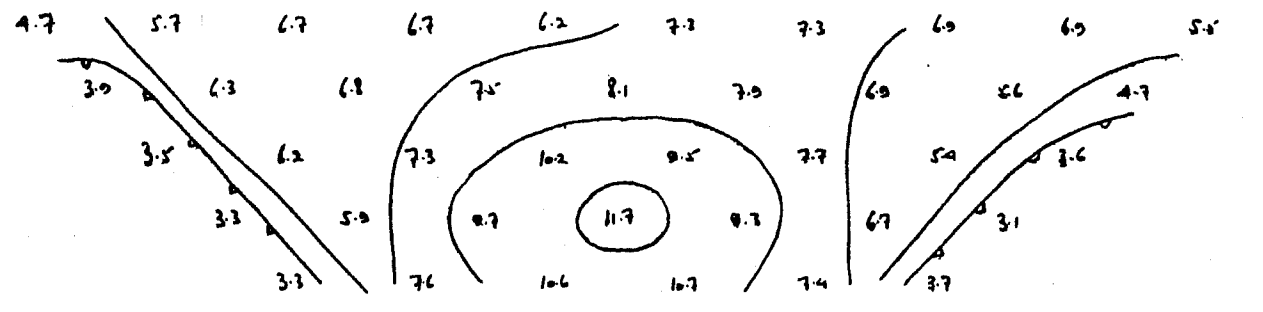
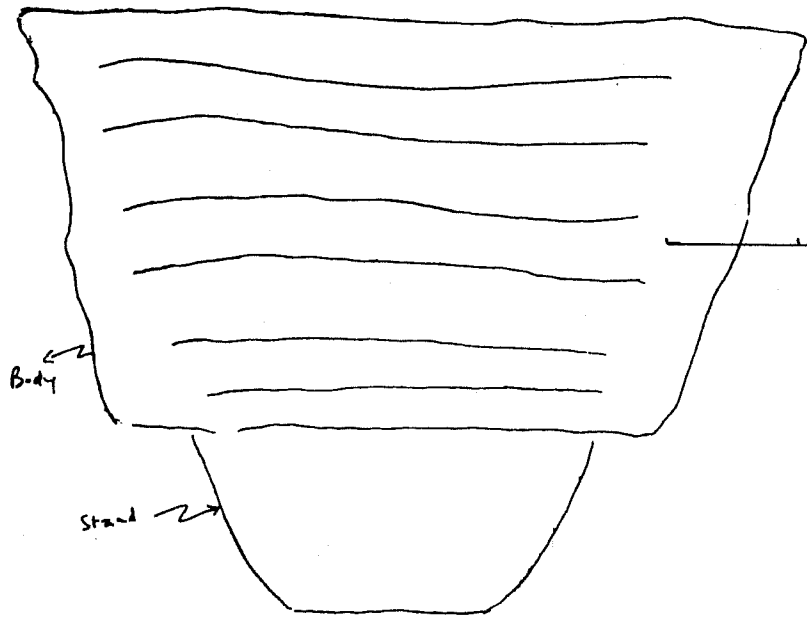


BIOTITE - MUSCOVITE SCHIST
 DIPOLE - DIPOLE 4 x 4 CMS
 F.R.E. = 5 x 0.3 CMS
 BACKGROUND @ 0.0002 M S.M.
 SCALE 1" = 4 CMS
 LOGARITHMIC CONTOURS

CURRENT = 0.00104 AMPS.
 VOLTAGE = 12 VOLTS



F.R.E. = $\frac{P.E.}{P_u} \times 1000$

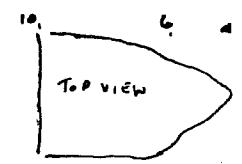
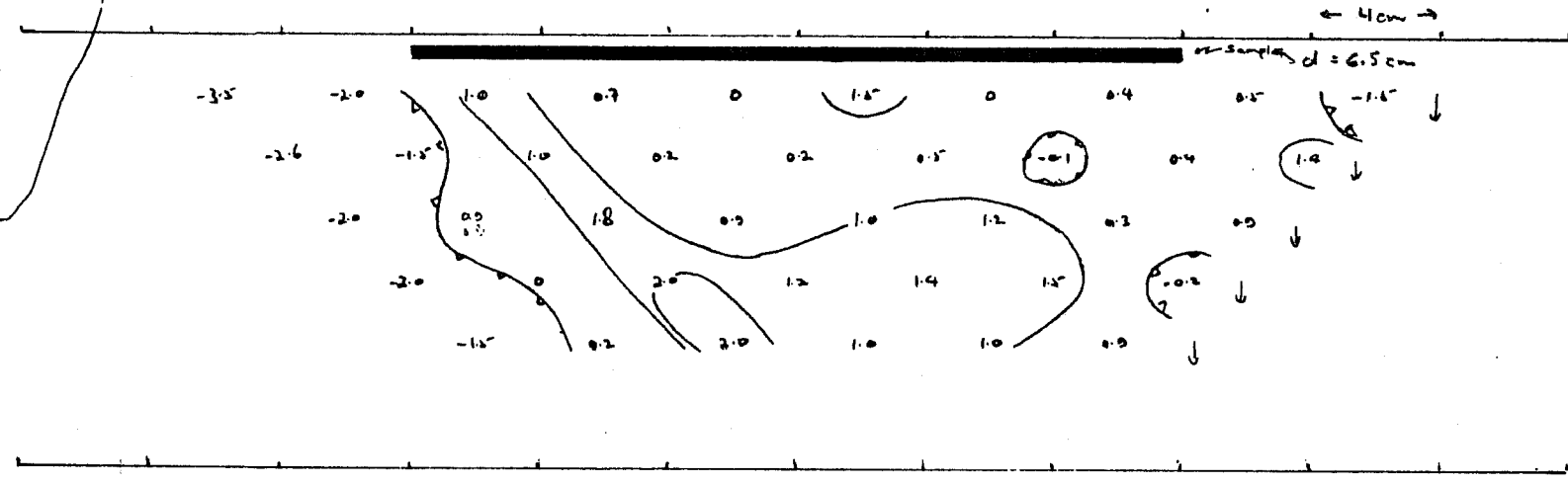


ρ_a Lohm-cm
5 cps

SAMPLE #5
FARO AREA
Sericitic Schist

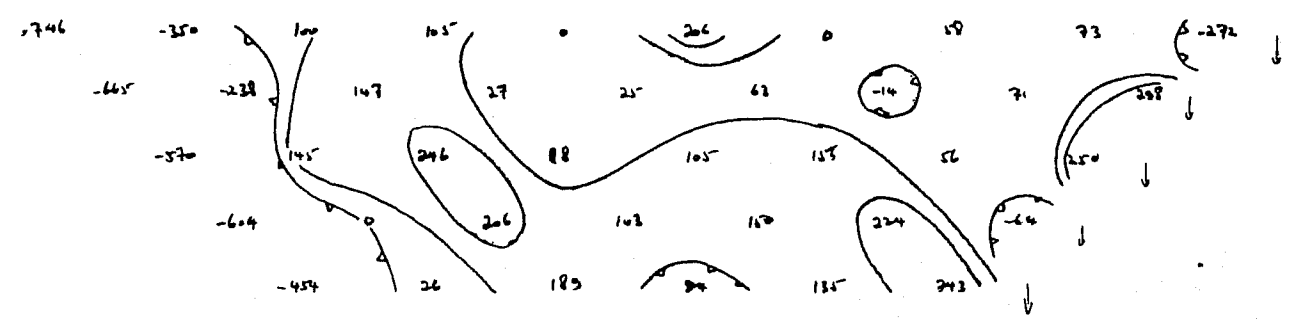
Dipole-dipole $\alpha =$
Freq $\omega = 0.3$
Background $\approx 0.009 \Omega$

Scale 1" = 4 cm
Logarithmic Cont

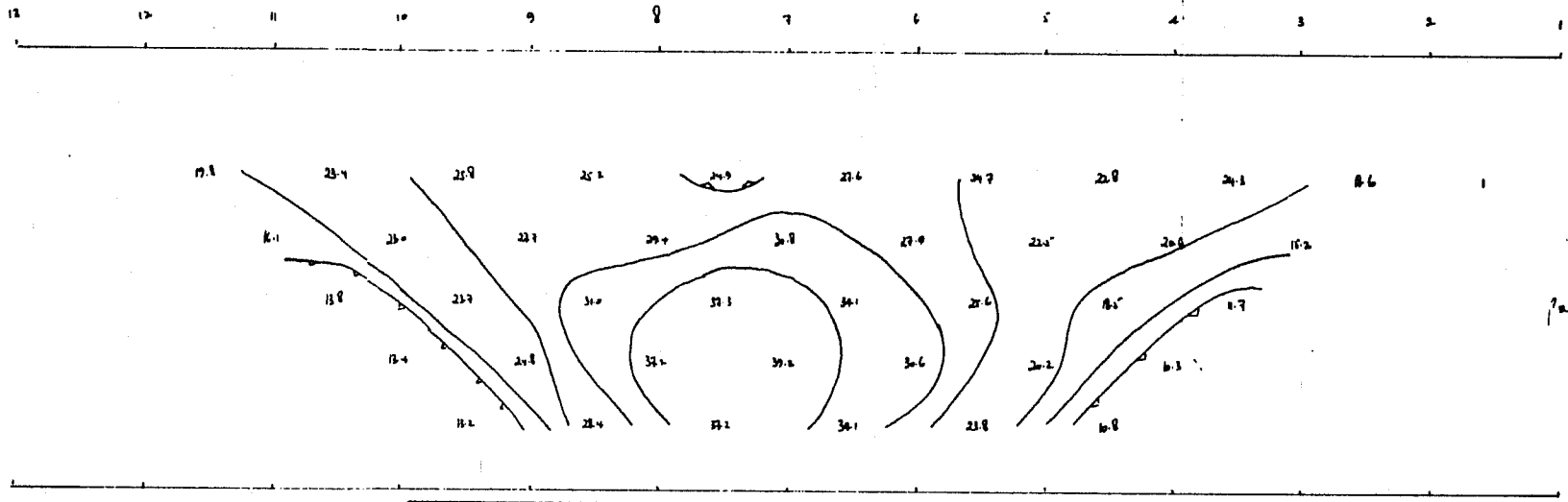


Body
 24 cms wide (along trough)
 22 cms long
 13 cms deep
 6.5 cms below surface

Current 0.005 amps
 Voltage 3.0 Volts

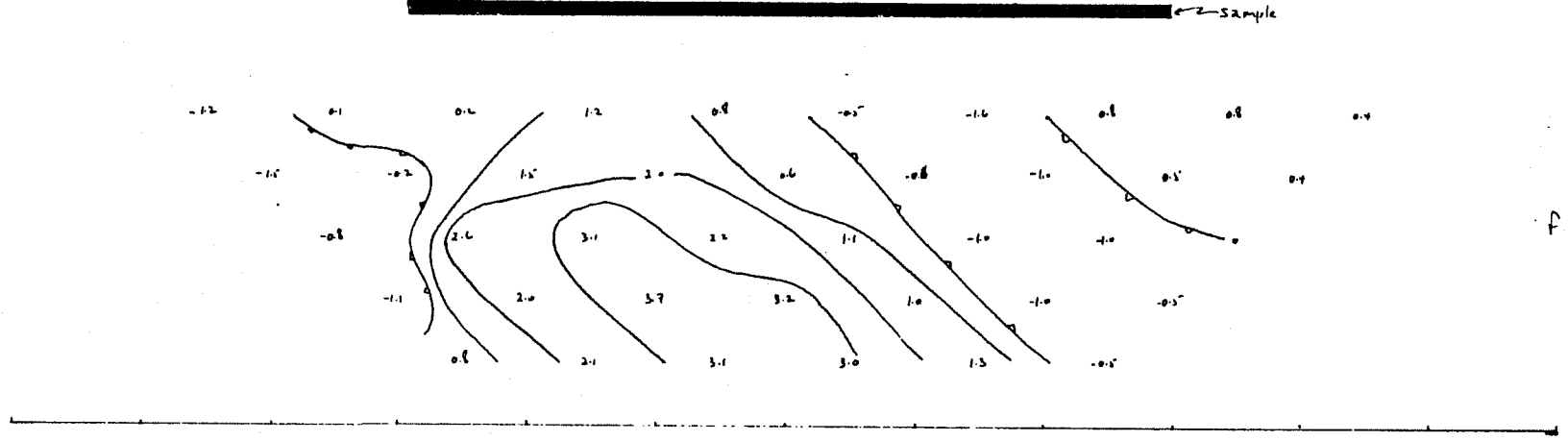


$$M.P. = \frac{F.E.}{\rho_a} \times 1000$$

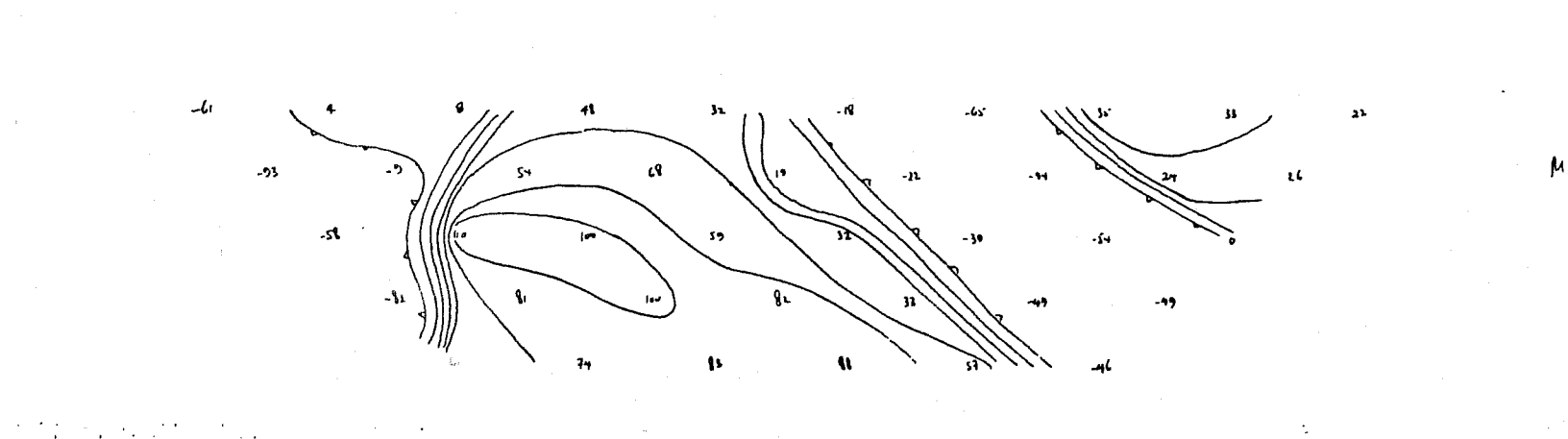


ρ_a (ohm-m) / 5 cps

SAMPLE = 5
 FARO AREA
 Serritz Schist
 Dipole - Dipole \approx 4 cm
 Freq. 5 = 0.3 cps
 Background \approx 0.002 N Salu
 Scale 1" = 4 cm
 Logarithmic Contour



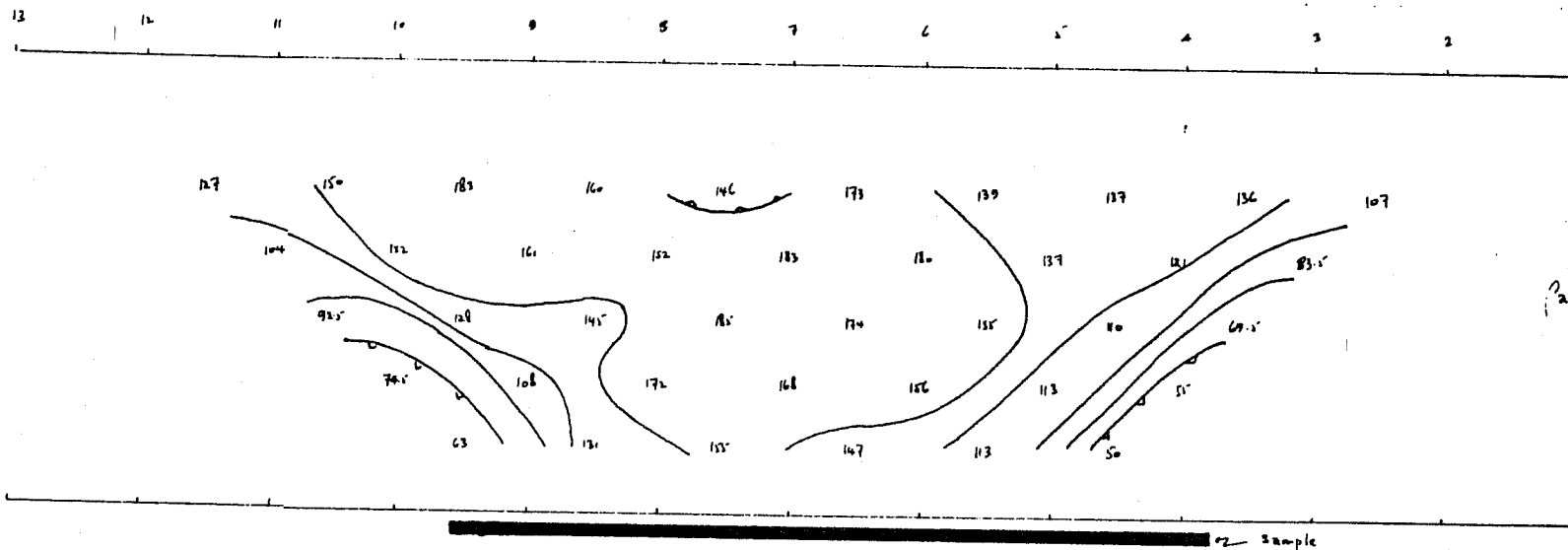
ρ_e ?



M.F. $\frac{F.E. \times 1000}{\rho_a}$

Current 0.0036 amps
 Voltage 6 volts

Same sample + loc
 as #7

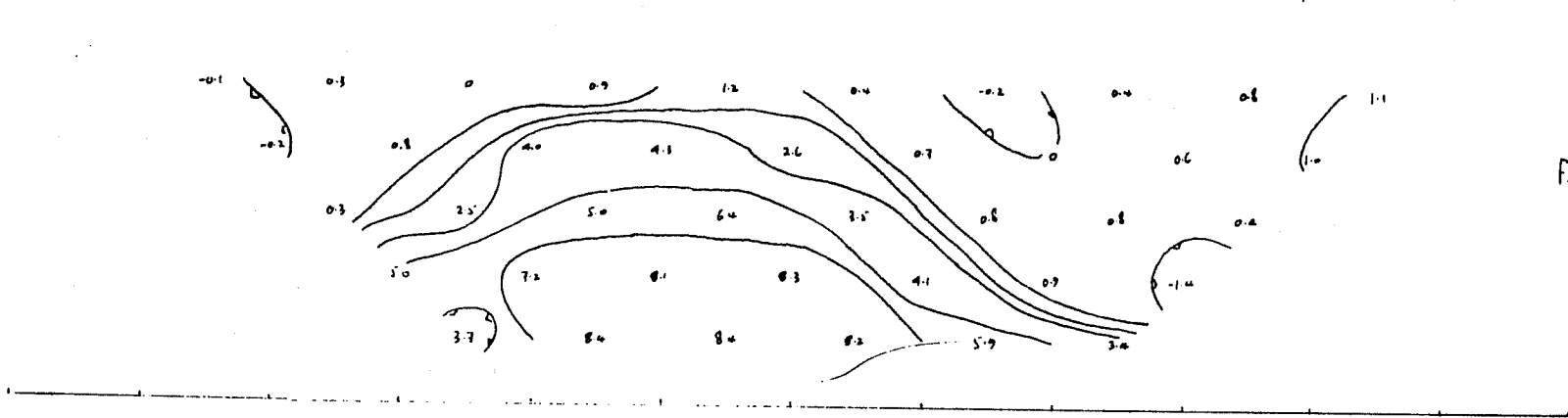


ρ_a (ohm-cm)
5 cps

SAMPLE #5
FAR AREA

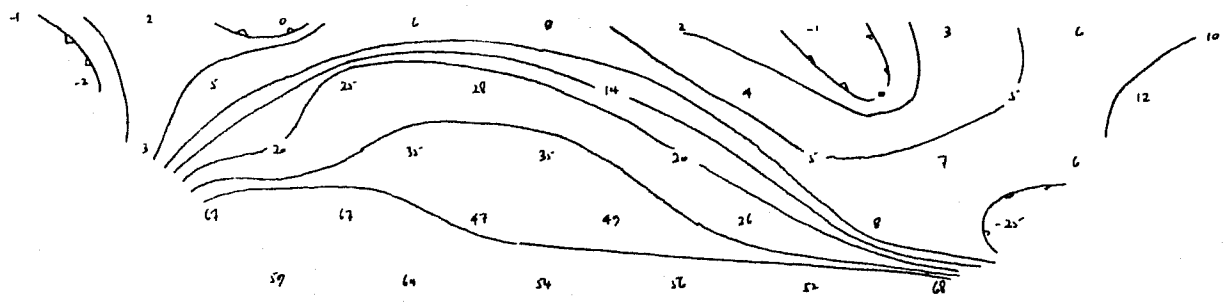
Sevichte Schist
Dipole-Dipole $\alpha = 4$ cm
Freq. 5×0.3 cps
Background = 0.0002 N Saline soln
Scale $1'' = 4$ cm.
Logarithmic contours

(ρ sample ~ ρ water)



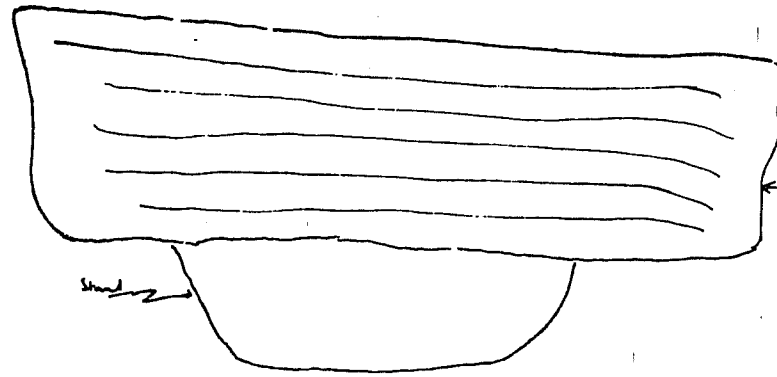
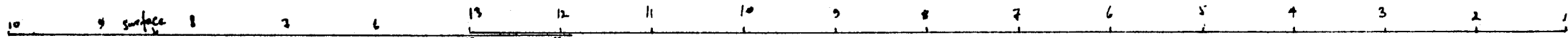
F.E. !

Current 0.0011 amps
Voltage 12 volts

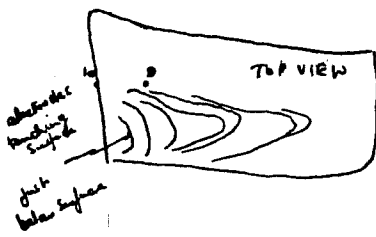


M.F. $\frac{F.E. \times 1000}{\rho_a}$

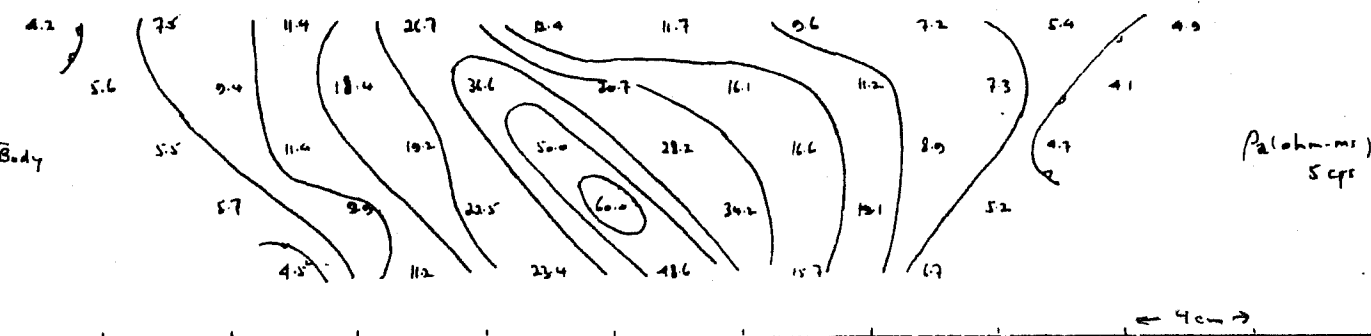
Same sample & loc
as #7



Body: 24 cm wide (along France)
 20.5 cm long (diagonal/through)
 6.5 cm thick
 2.5 cm below surface



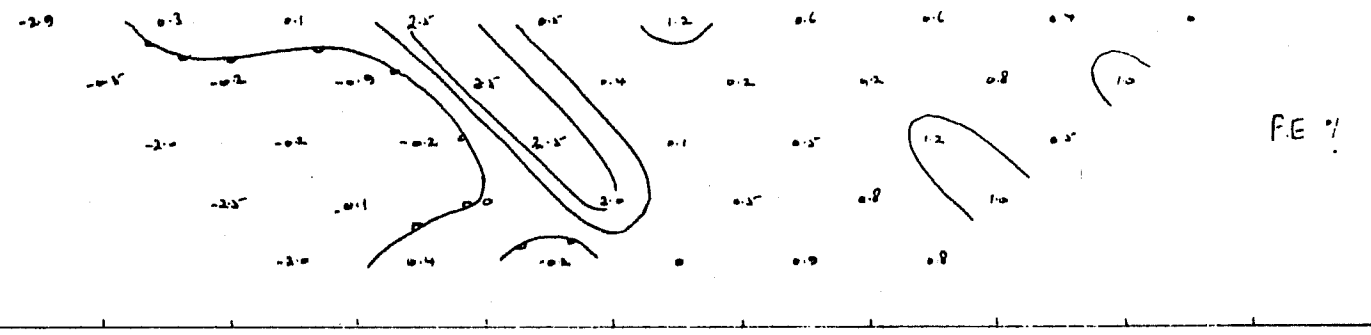
Current 0.005 amps
 Voltage 30 volts



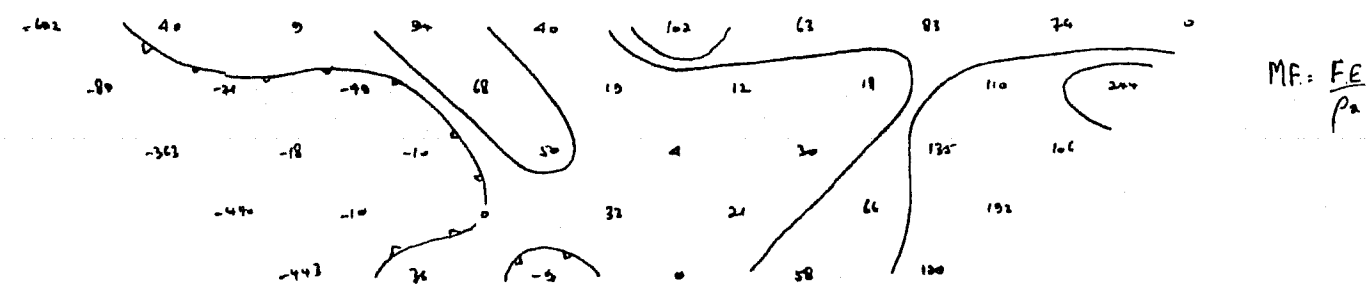
ρ_a (ohm-m) 5 cps

115 K L

SAMPLE # 4
 INER AREA
 Graphitic Schist?
 Dipole-dipole $z = 4$ cm
 Freq $f = 0.3$ cps
 Background ≈ 0.000 N
 Scale 1" = 4 cm
 Logarithmic Contours

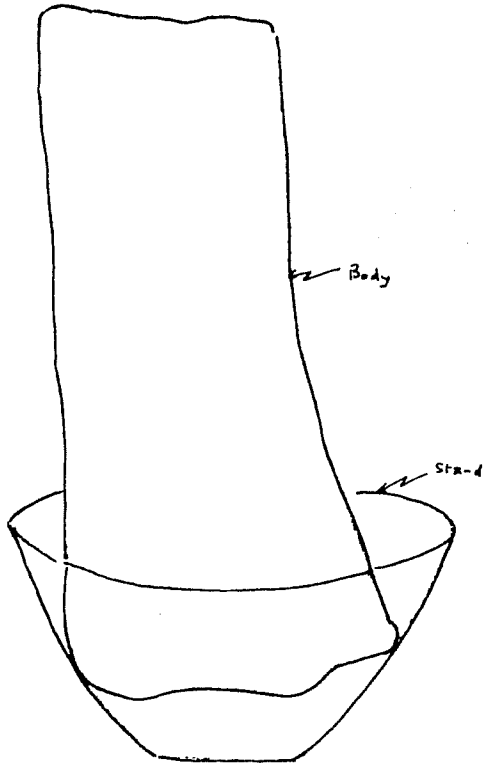


FE ?



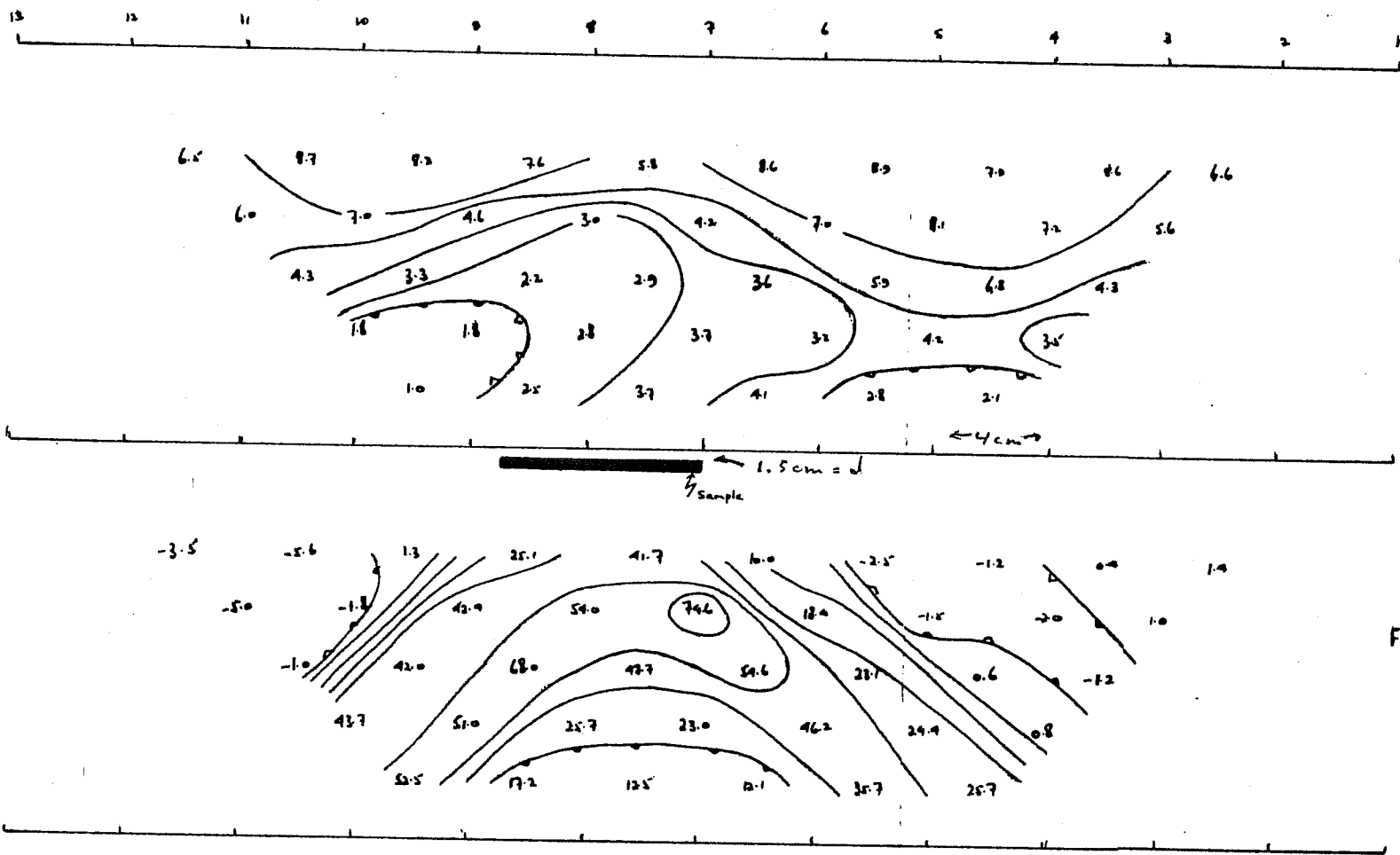
MF: $\frac{FE}{\rho_a} \times 1000$

8.75 Surface



Body 7 cms wide (traverse)
 23 cms long (strike length)
 20 cms height
 1.5 cms below surface

Current 0.0042 amps.
 Voltage 30 volts



105 K6

ρ_2 (ohm-cms)
 Seps

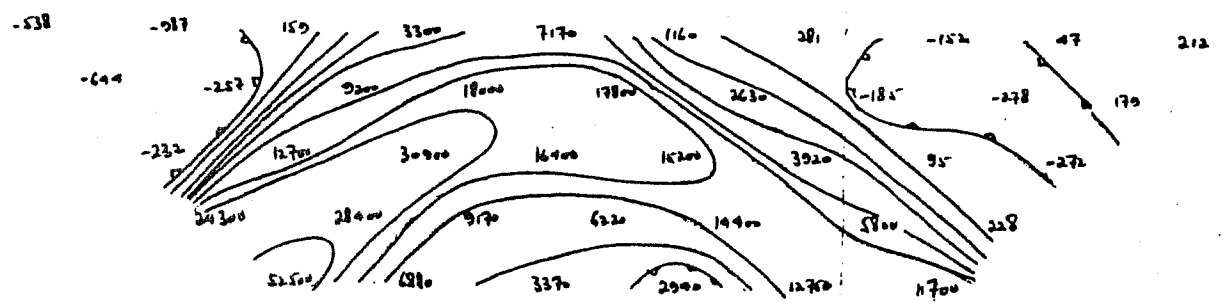
SAMPLE # 1
 FARO ORE

Dipole - dipole $a = 4$ cms
 Freq 580.3 cps
 Background ≈ 0.009 N Solid sub

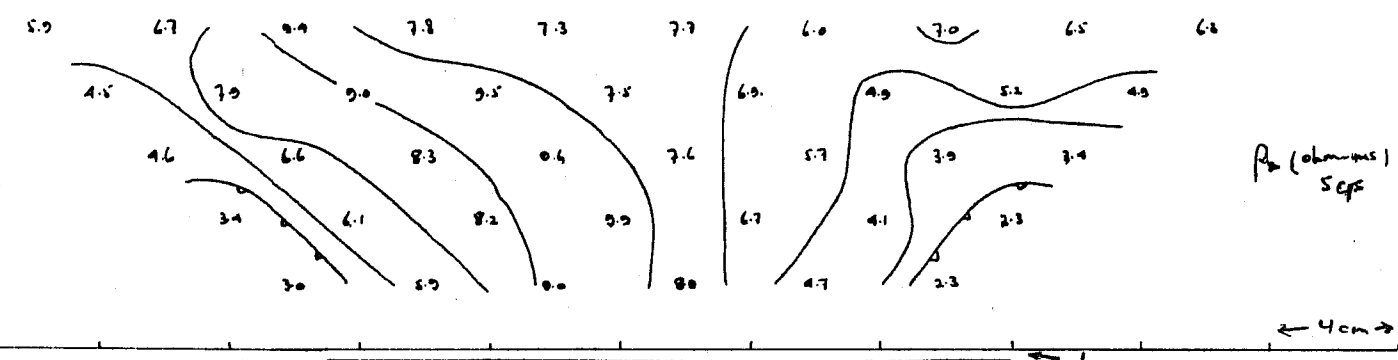
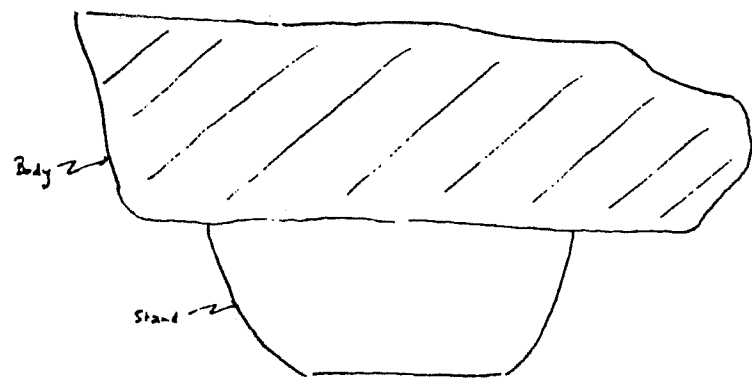
Scale 1" = 4 cms
 Logarithmic Contours

F.E %

$$M.F = \frac{F.E}{\rho_2} \times 1000$$



9 8 7 6 5 4 3 2 1



R_a (ohm-cm)
Scp

SAMPLE # 2
FARO 026

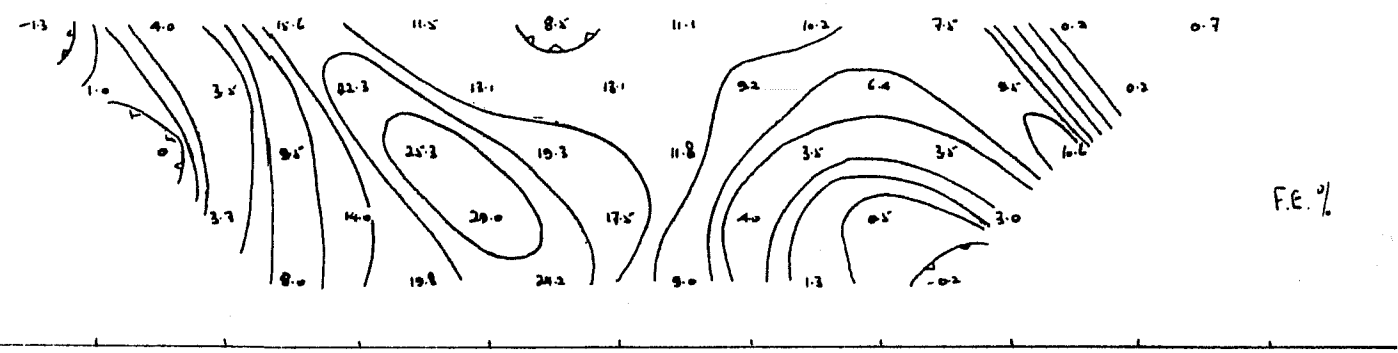
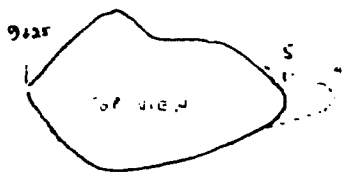
Dipole - dipole 2 - 4 C.
Freq 5 & 0.3 cps

Background = 0.005 N.S

Scale 1" = 4 cm.

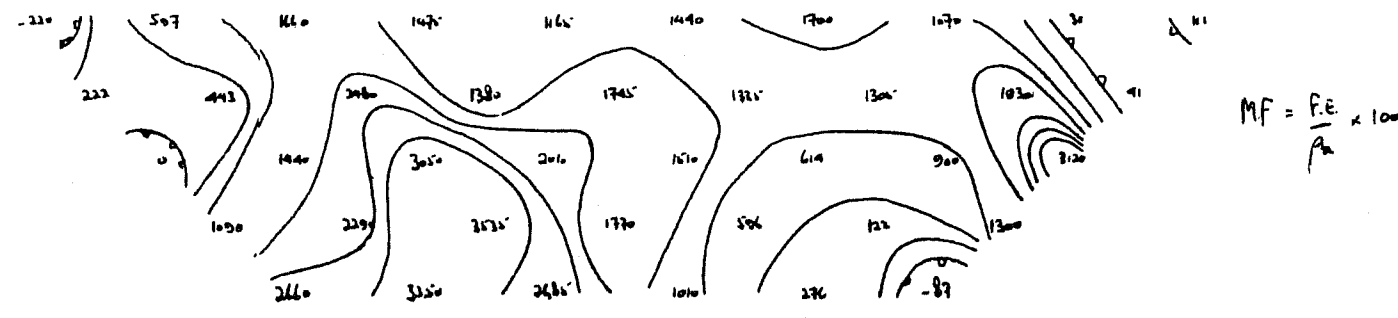
Logarithmic Contours

Body 20 cm wide
15 cm long (cross transverse)
6 cm thick
2 cm below surface

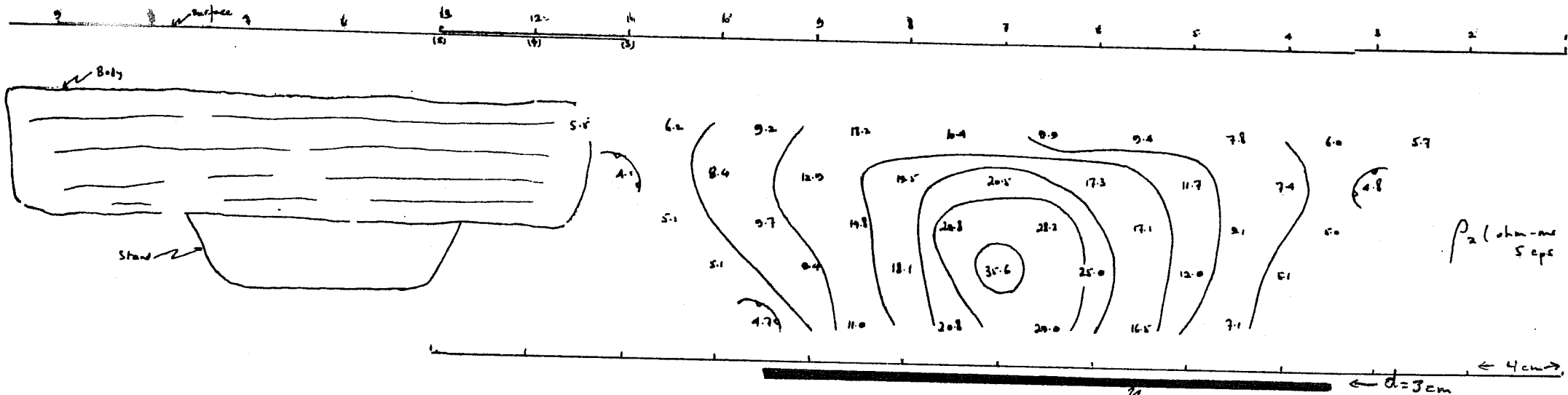


F.E. %

Current 0.0042 amps
Voltage 30 volts



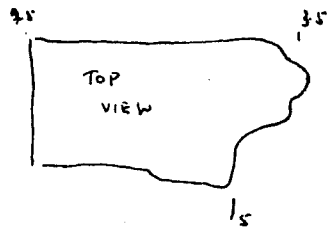
$$MF = \frac{F.E.}{R_a} \times 1000$$



SAMPLE # 3
 FARO AREA
 Phyllite
 (Calc Silicate ?)

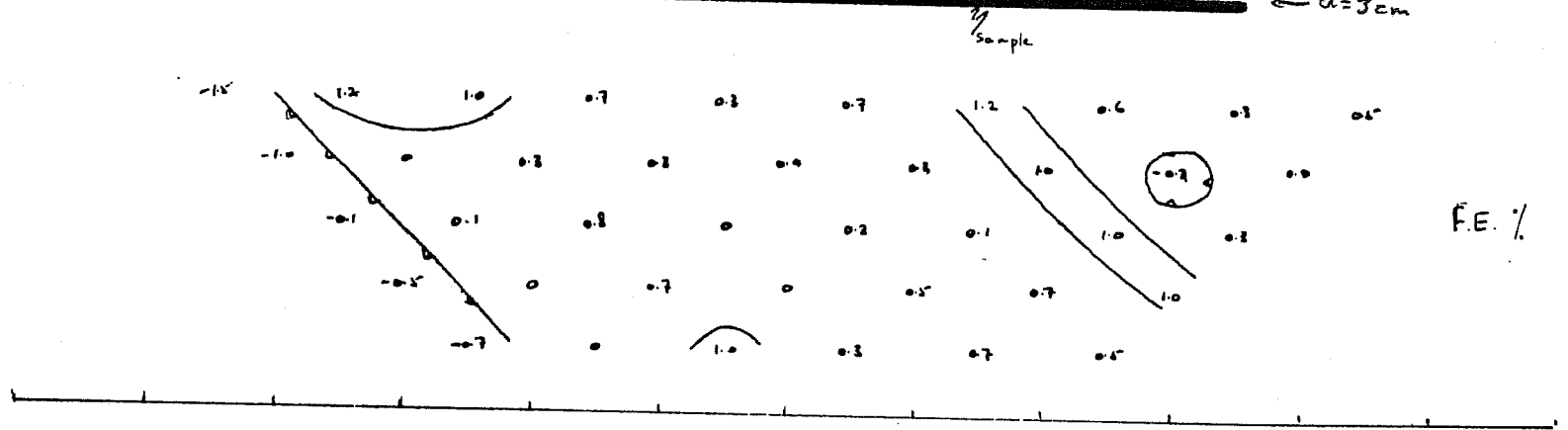
Dipole - dipole $\lambda = 4$ cm
 Freq $f = 0.3$ cps
 Background = 0.009 Ω

Scale 1" = 4 cms.
 Logarithmic Contours

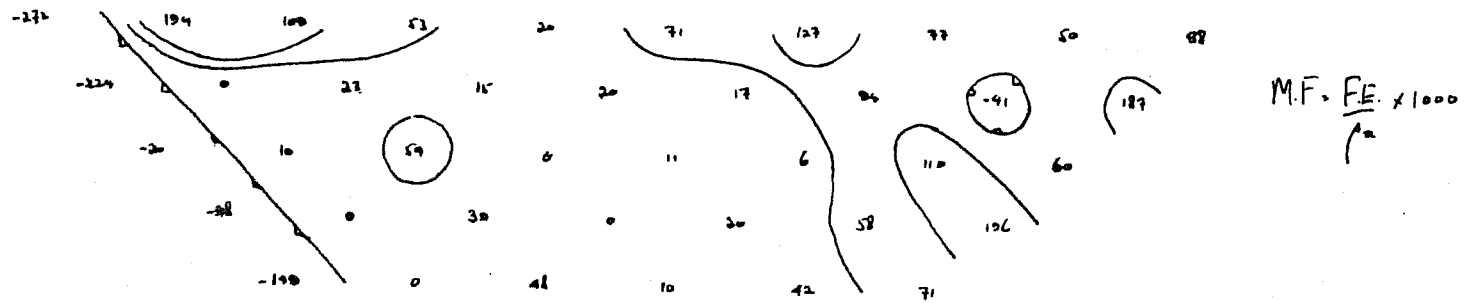


Body 24 cms wide (along transect)
 18 cms long (across transect)
 5 cms thick
 3 cms below surface

Current 0.0048 amps
 Voltage 3.0 volts



F.E. %



M.F. = $\frac{FE}{\rho} \times 1000$

