

Cold Mass Nr. 2052

Step Nr. / Volume to be tested 1

CM -> Vacuum

2

CM -> cold bore tubes

3

CM -> Heat Exch.

4

Heat Exch -> Vacuum

Fuga calibrata / Calibrated leak parameter

Calibrated leak N°	4011007195	4011007225	4011007195
Data calibr. / calibration date	08/10/02	08/10/02	08/10/02
Temp. calibratore fuga / Calibration Temp.	23,0 °C	23,0 °C	23,0 °C
Valore nom. fuga calibrata / Calibrated leak nom. value	3,00E-08 mbar l s-1	3,00E-08 mbar l s-1	3,00E-08 mbar l s-1

Calibrazione del sistema / System calibration

Conc. He nella linea di test (100%) / Volumetric fraction of tracer gas in the injection envelope

T ambiente / Test temp.

Fuga calibrata con c.pnez. T ed età / Size of calib. leak after corr. for ageing and T)

Segnale residuo prima delle misure di SFR / Residual signal prior SFR meas.

Segnale del LD / Signal given by the calibrated leak

Min. div. segnata (=2x amp. segn. residuo) / Smallest read. signal dev. (= 2 x ampl. of RFR noise)

Tempo di attesa stabilizz. segnale / Time to achieve stabilised leak signal



SENSIBILITA' DEL TEST / Sensitivity of the leak test

Condizioni del test / Leak test conditions

Pressione del sistema / System pressure

Segnale residuo del cercatighe ad inizio test / Residual signal prior to SF measurement

Segnale del LD a fine test / Signal given by the leak after 30 min. (>3)

CALCOLO DELLA FUGA / Leak evaluation

VALORE DI RIFERIMENTO / REF. VALUE (MAX)

CONFORMANCE

Doc. di riferimento / Ref. documents

CERN contract number: F30ZLHC/LHC

CERN technical spec.: LHC MM6-99-198 rev.2

Leak test procedure (Ref. N°: Revision): Z8ORM08442 rev.0

Strumentazione / Test equipment

Helium Mass Spectrometer type:

Pumping group:

Prepared by: Name / Date

Approved by: Name / Date

Checked at CERN by / Signature / Date

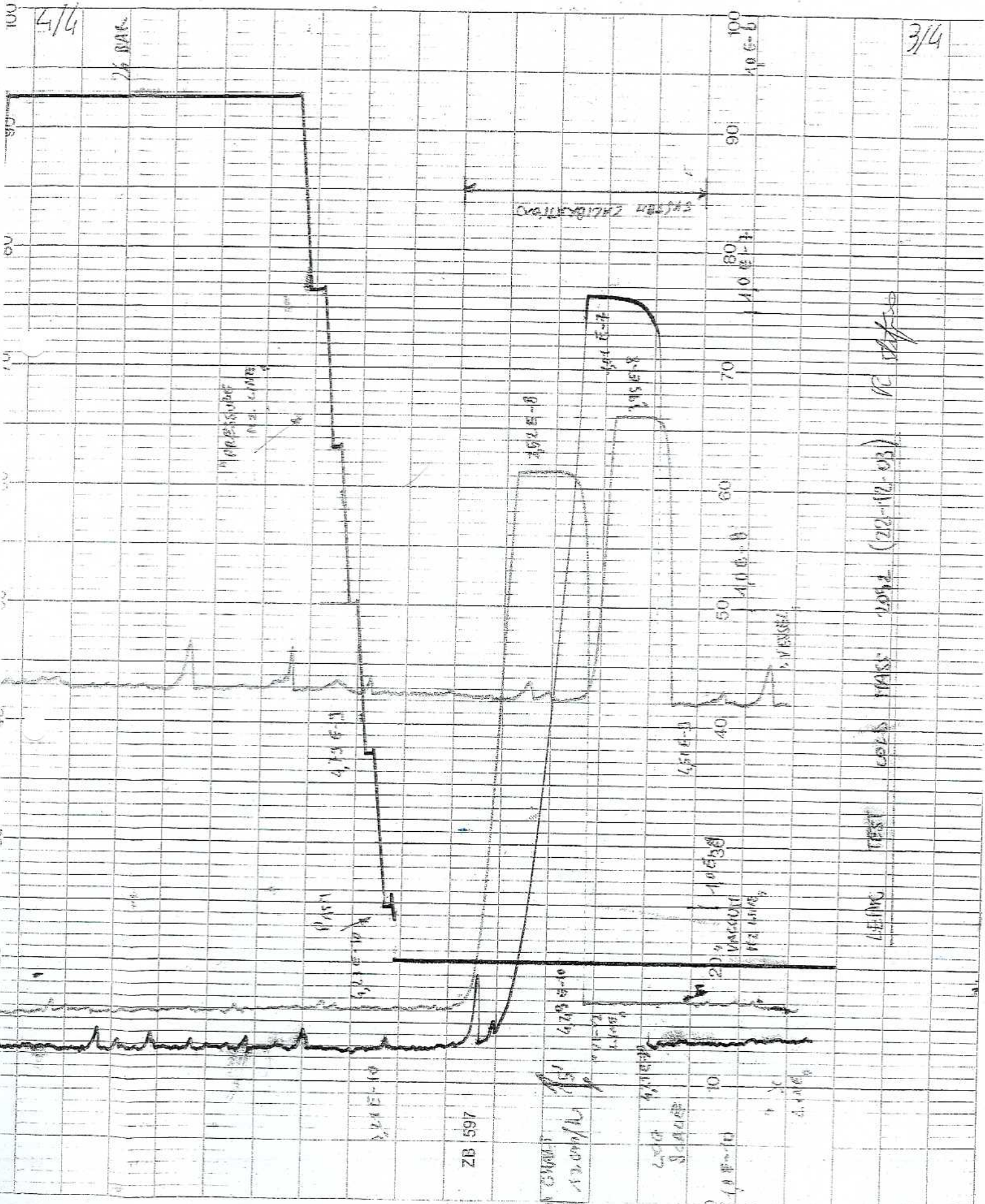
22/12/2003
P. Caserza B.
Tozzi -22/12/2003

PFEIFFER HLT 260
full range compact PFEIFFER PKR 251
turbo pump LEYBOLD PT 360 l/s
rotary vane pump PFEIFFER DUO 65 m3/h

PFEIFFER HLT 260
rotary vane pump PFEIFFER DUO 20 m3/h

PFEIFFER HLT 260
rotary vane pump PFEIFFER DUO 20 m3/h

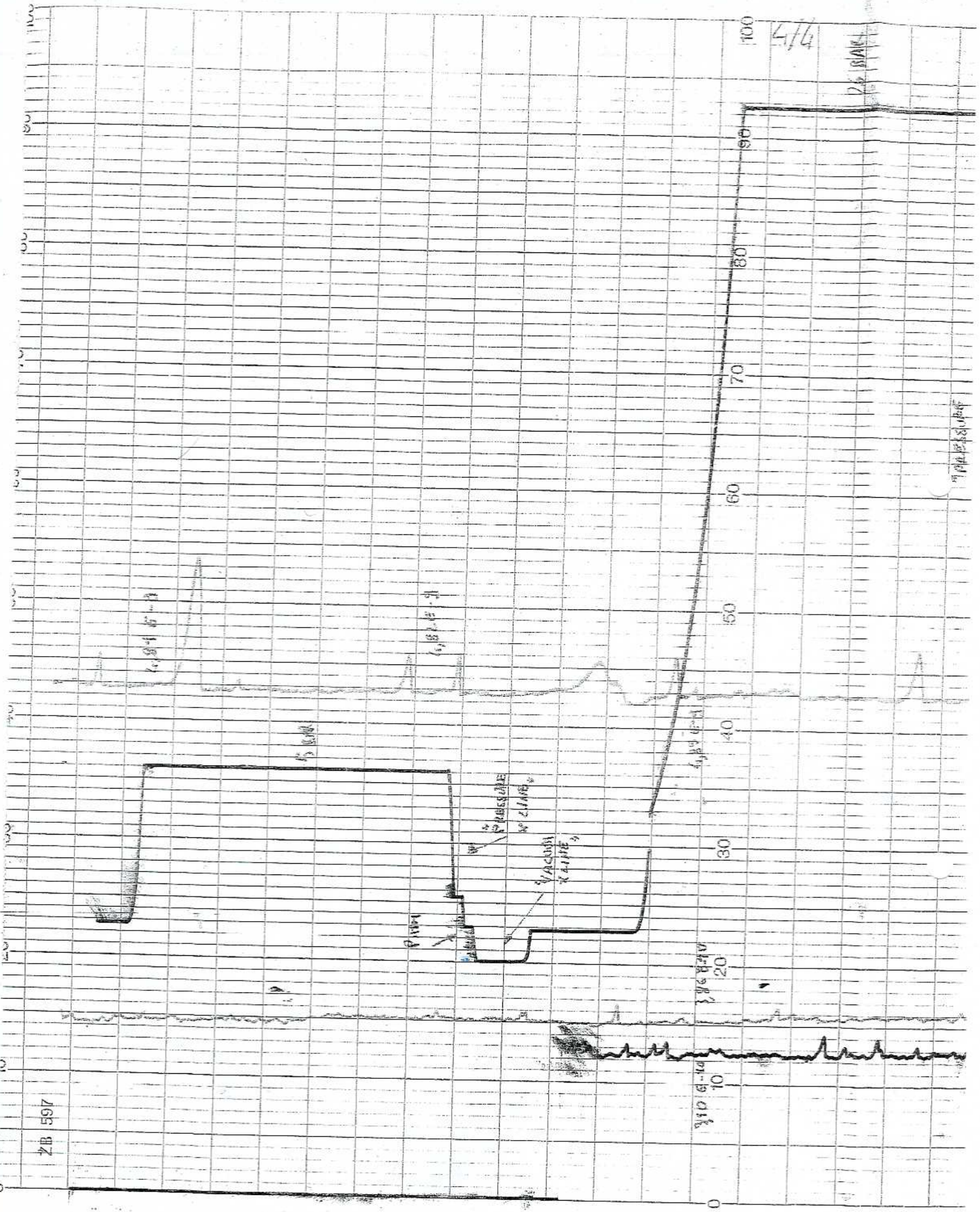
PFEIFFER HLT 260
full range compact PFEIFFER PKR 251
turbo pump LEYBOLD PT 360 l/s
rotary vane pump PFEIFFER DUO 65 m3/h



ZB 597

4/6

2. BANK



可在此处进行地质剖面