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Cassa de la Selva seismic station (CCAS)

Code: CCAS **Name:** Cassà de la Selva **Latitude:** 41.8828 N **Longitude:** 2.9041 E **Height:** 197 m

Instrumentation by channels and periods

Channel	Start date	End date	Sensor type	Digitizer type	Instrumental response [tar, 130 KB]
HHZ	16/12/2005	-	CMG3TB	Trident	[+info:]
HHN	16/12/2005	-	CMG3TB	Trident	[+info:]
HHE	16/12/2005	-	CMG3TB	Trident	[+info:]



General view of the diferent elements: instrumental house, lightning rod (PDC), geodetic pillar with GPS antenna, VSAT antenna, solar pannels and security fence.



Geological site conditions: Rocky outcrop (altered granitoid at surface with norrfels, Carboniferous-Permian). See the hammer to the scale.

CONSTRUCTION PROCESS

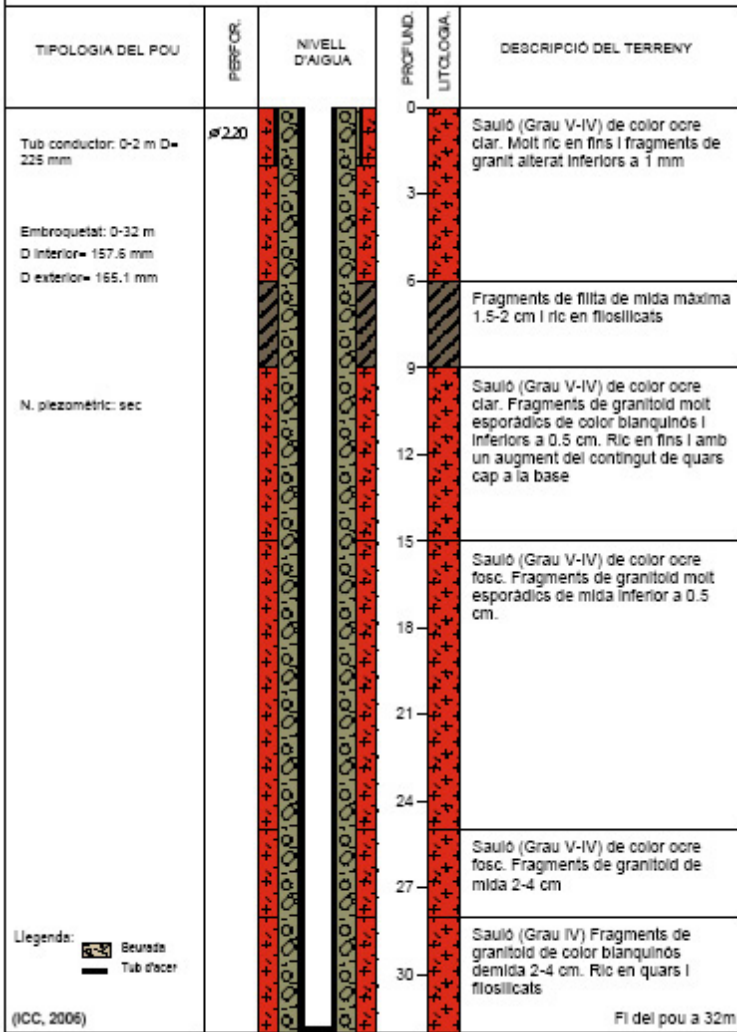
Due to the geological characteristics of the selected sector of the massif of Gavarres, borehole seismic design has been done through a survey of about 30 m depth with the purpose of recording a good quality of the seismic signal.



Drilling survey at the site selected.

Localitat: Cassà de la Selva
Profunditat: 32 m
Mètode de perforació: Roto-percussió CD dual
Equip sonda: SEGOQUI-A-100

Equips auxiliars: XRHS 385
Pouer: RODSANT
Testificador: Taus Carbonell
Pou: **POU SÍSMIC**



Geology log: The drilling survey cross altered granitoids with the exception of a few meters of paleozoic phyllites. The method used to completion of the seismic borehole was percussion drilling.



Sensor: Seismometer sensor located at 32 m depth inside of the casing borehole. Sensor installation.



Nameplate

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