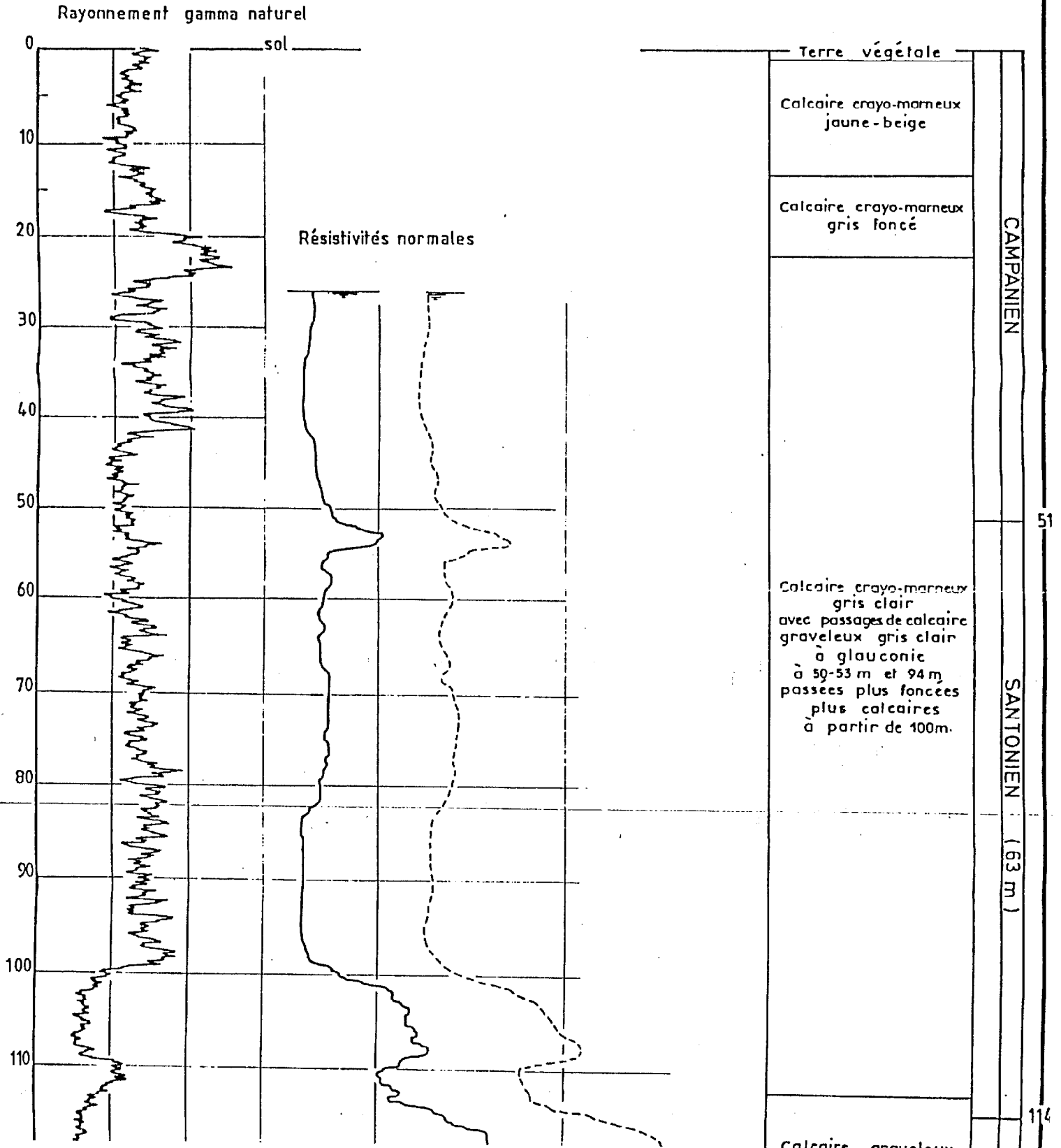


MARIGNAC - Charente-Maritime

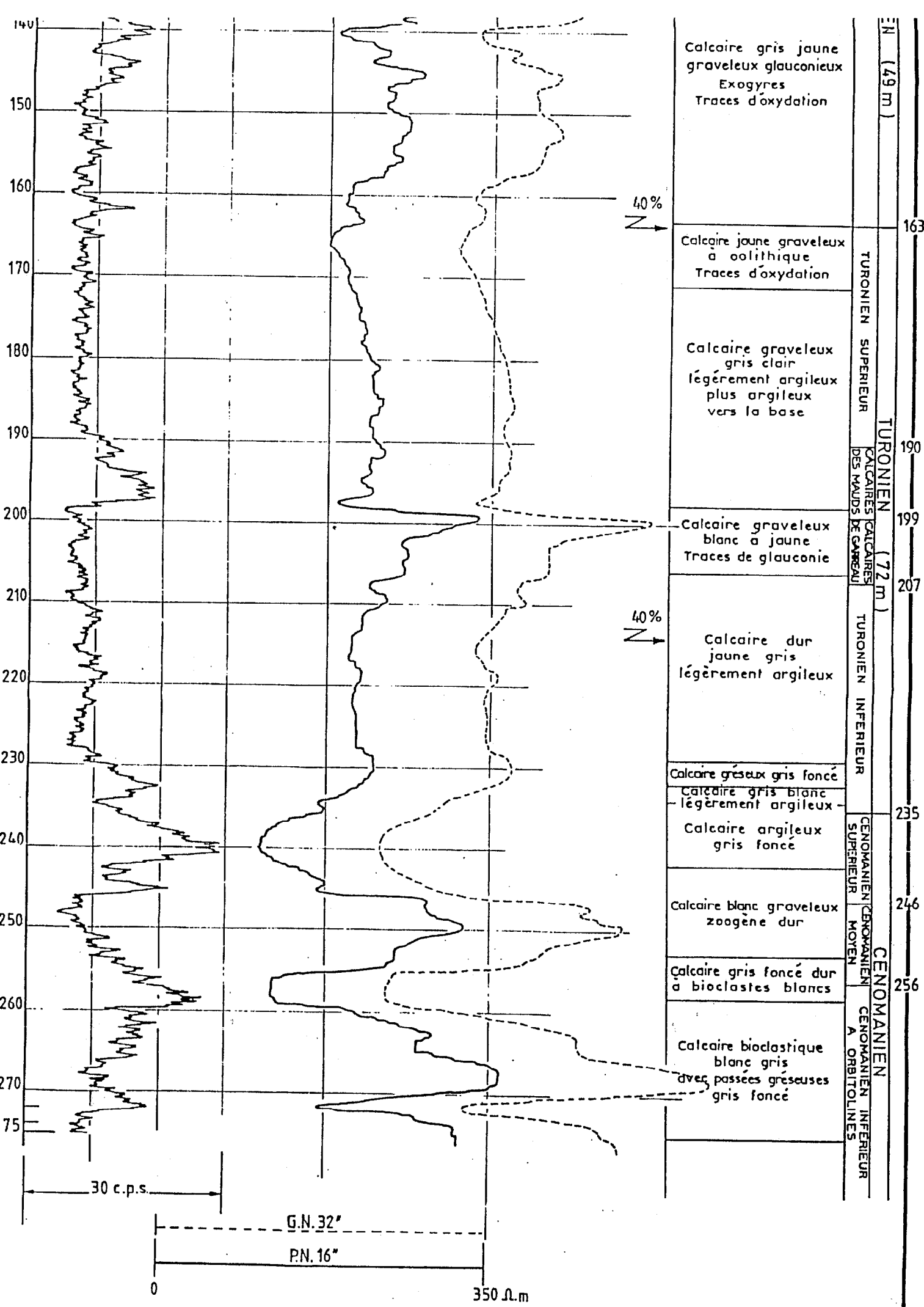
Lieu - dit "Frémory"

X = 380 950  
 Y = 3361 850  
 Z = +46 E.N.G.



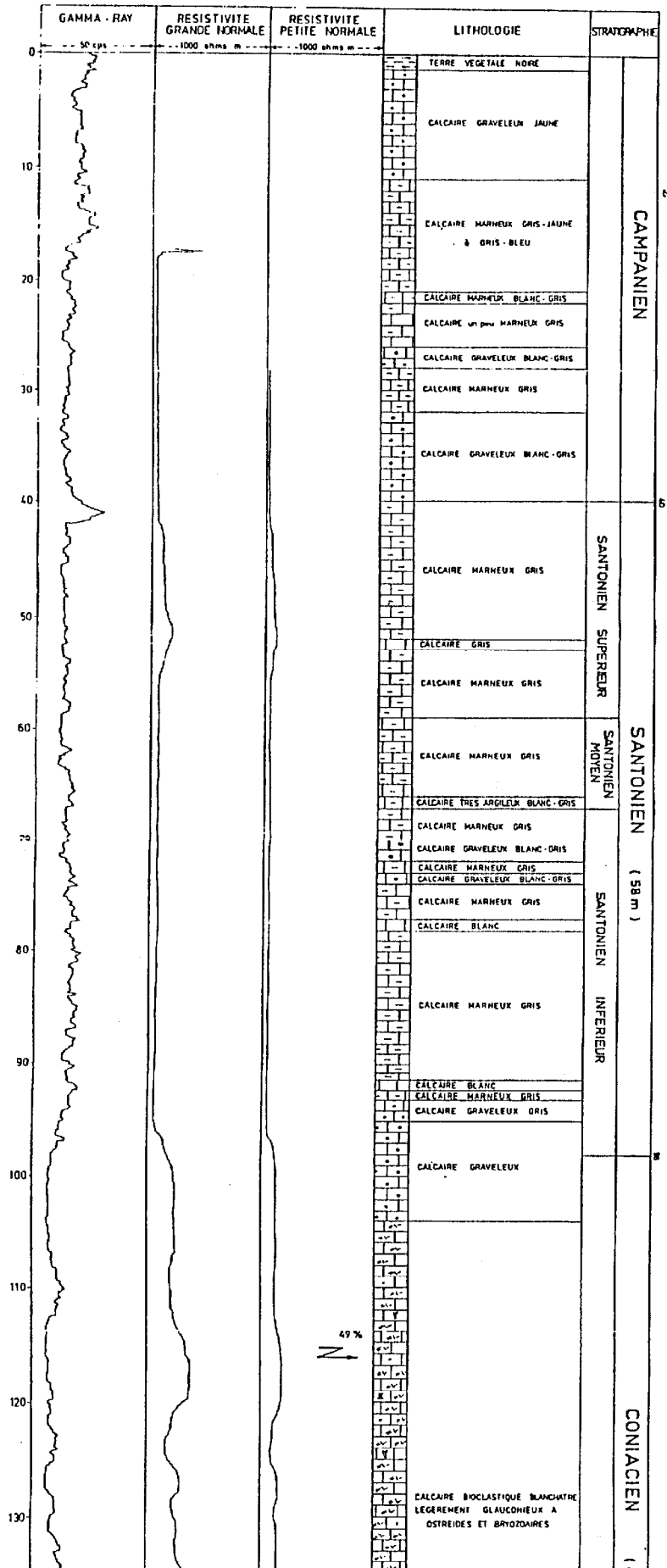
51

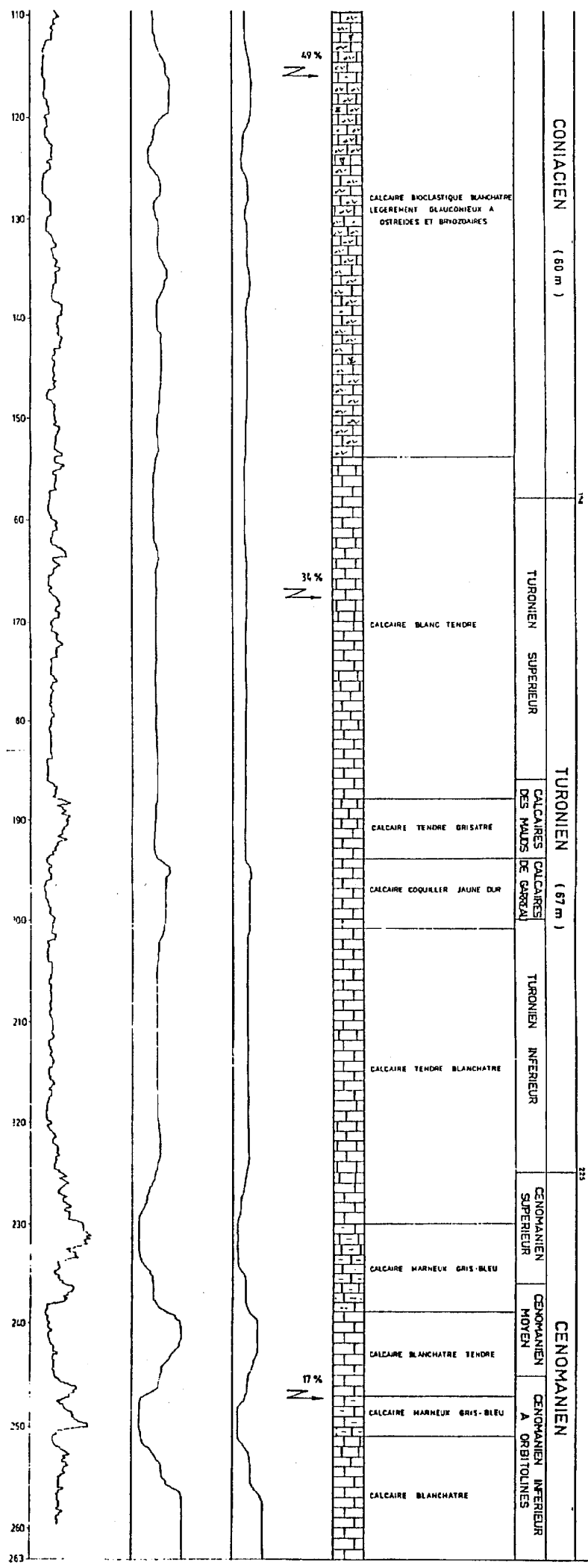
110



- DOCUMENT 2 : forage n°2 -

FORAGE D'ETUDE D'AVY (CHARENTE - MARITIME)



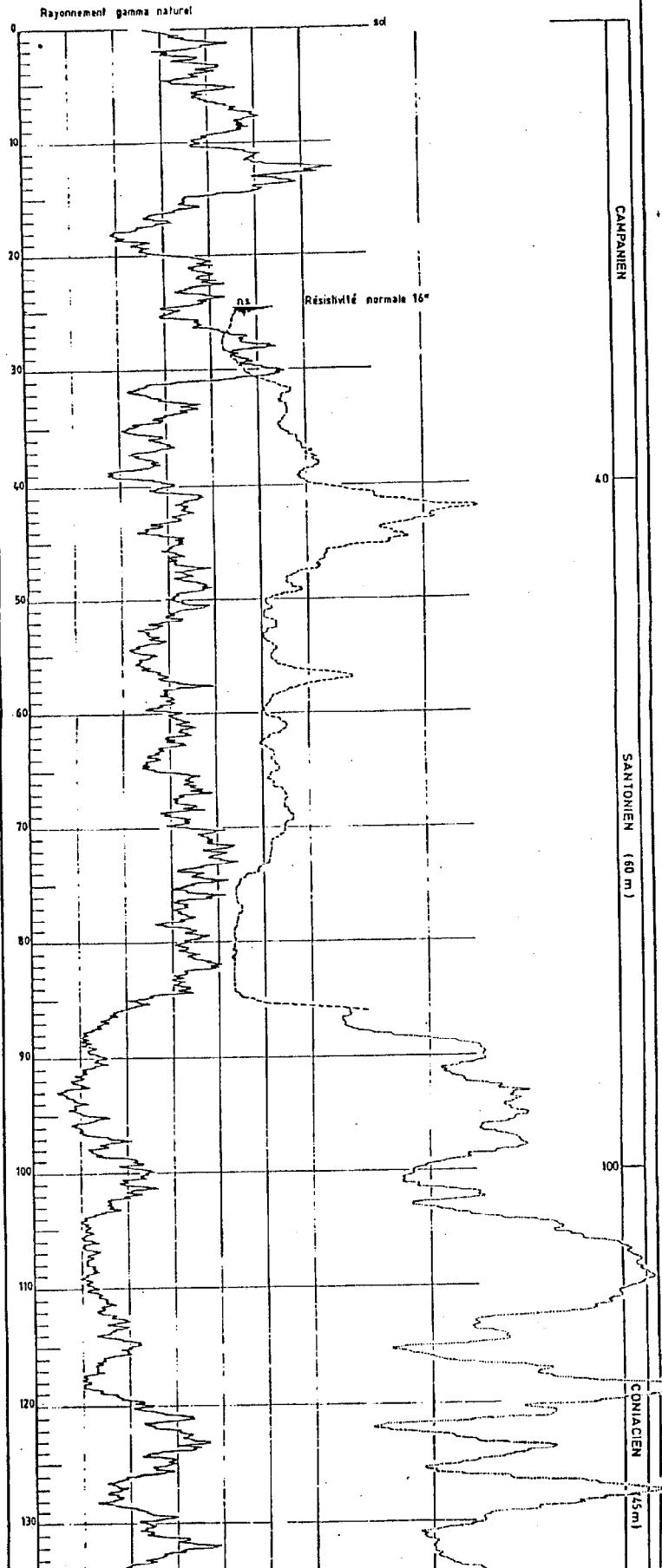


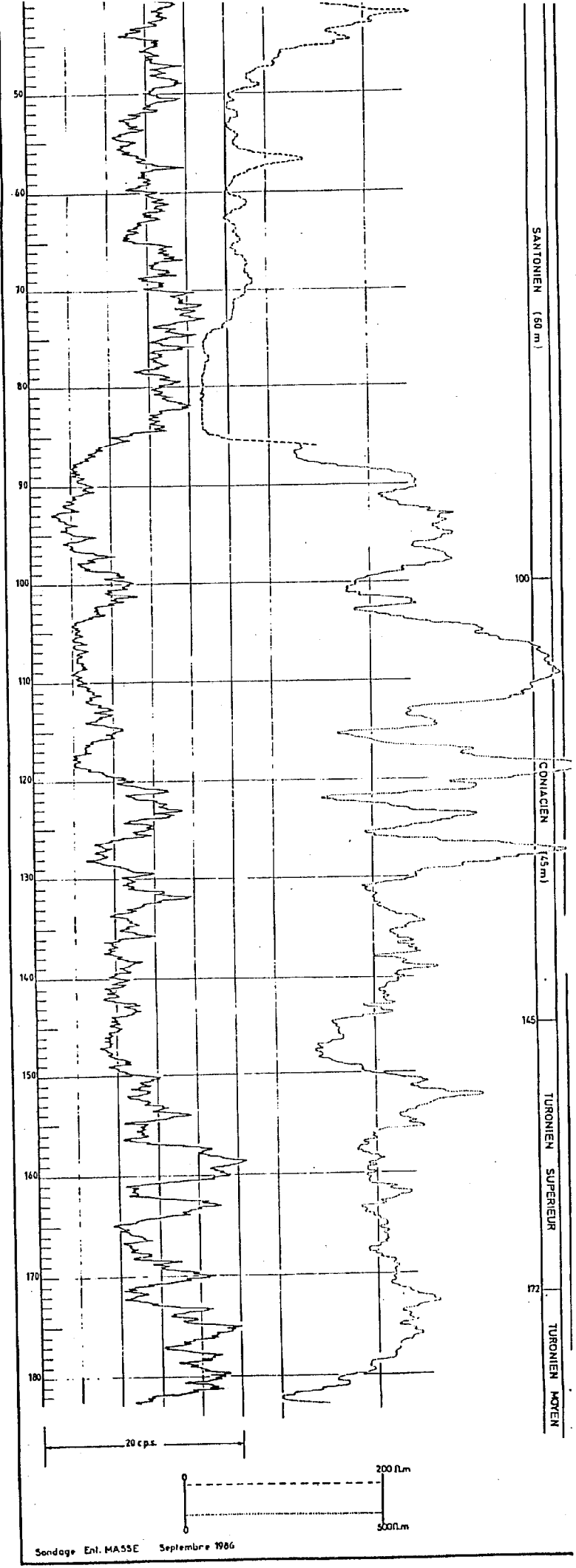
- DOCUMENT 3 : forage n°3 -

AVY — Charente Maritime

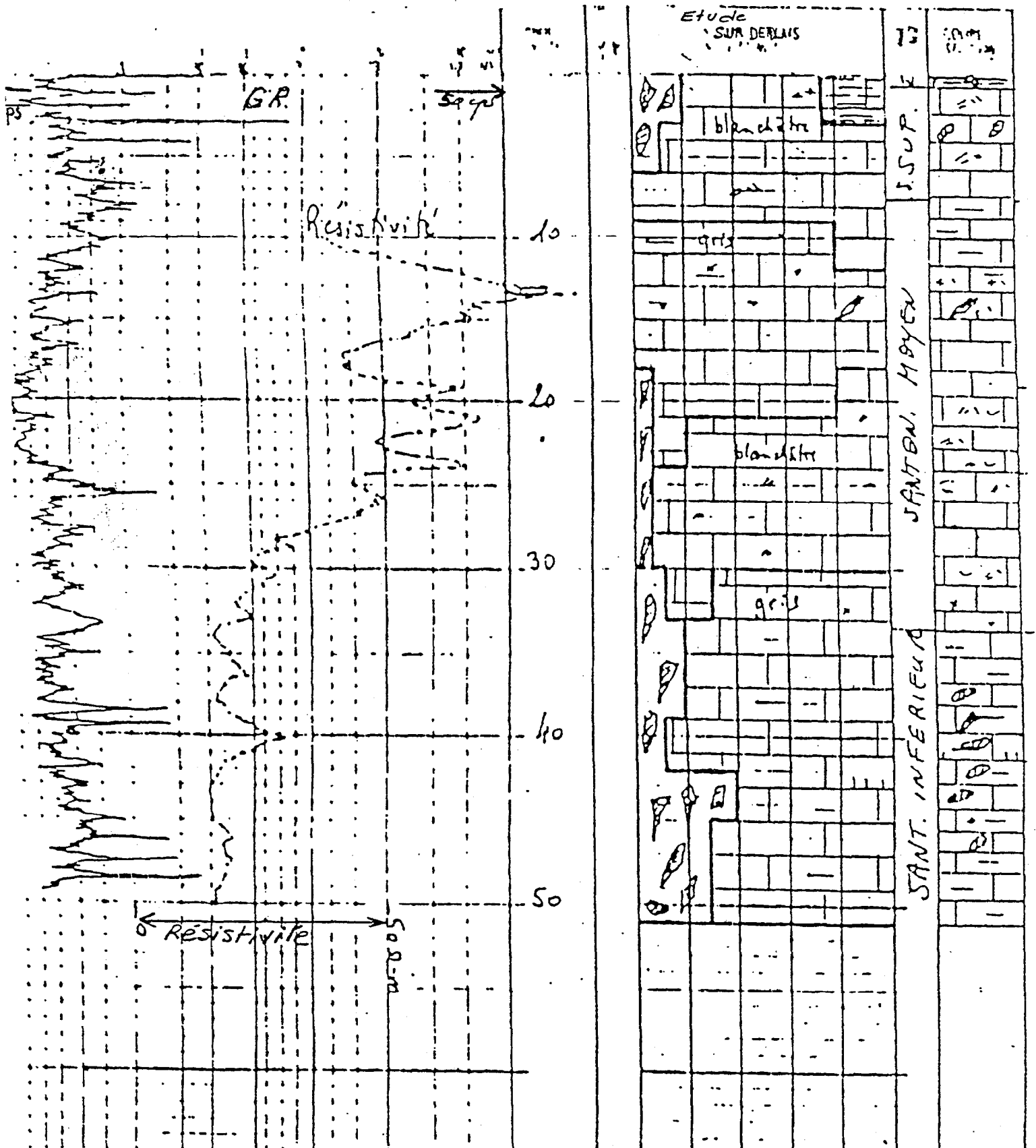
X = 377.700  
Y = 2066.100  
Z = + 38 tna



Lieu-dit "Jalette"



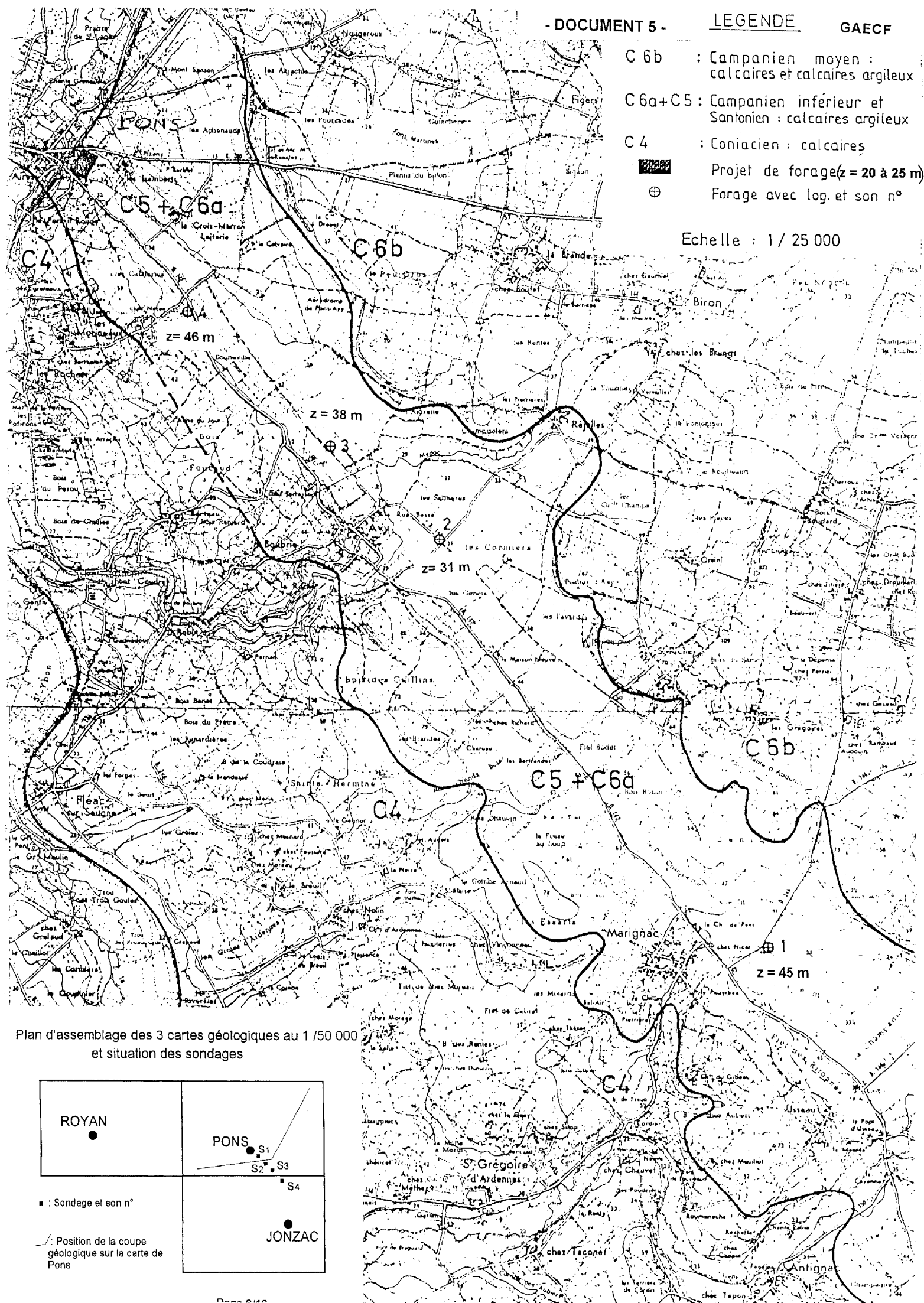


- DOCUMENT 4 : forage n°4 -

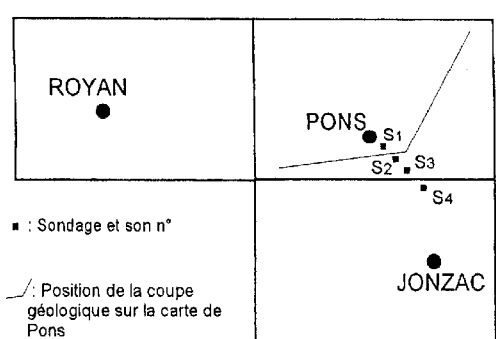


- C 6b : Campanien moyen : calcaires et calcaires argileux
- C 6a+C5 : Campanien inférieur et Santonien : calcaires argileux
- C 4 : Coniacien : calcaires
-  Projet de forage (z = 20 à 25 m)
-  Forage avec log. et son n°

Echelle : 1 / 25 000



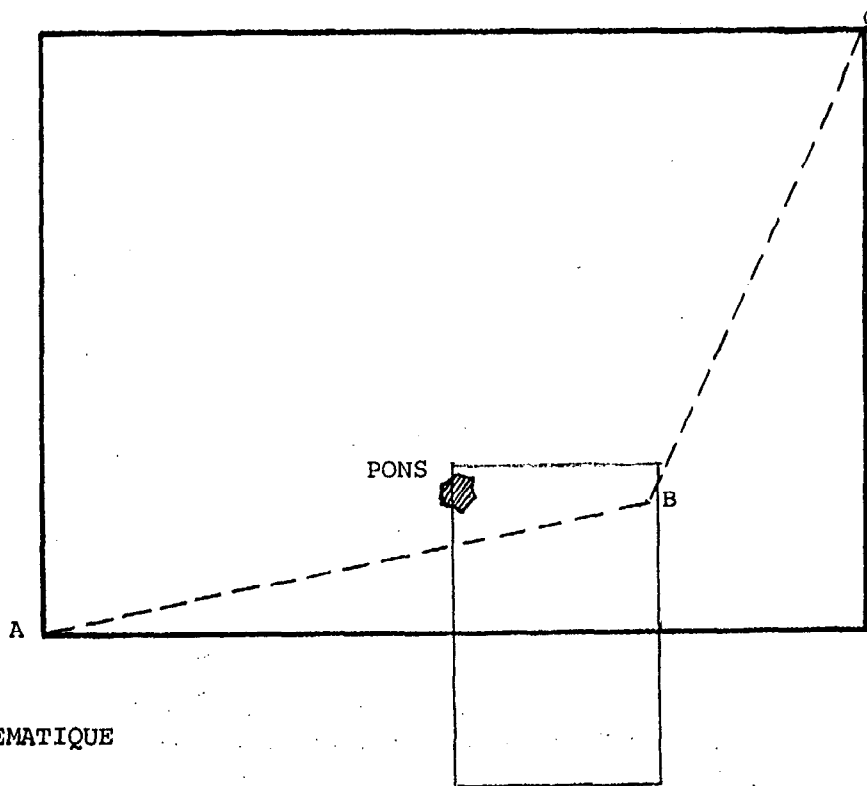
Plan d'assemblage des 3 cartes géologiques au 1 / 50 000 et situation des sondages



■ : Sondage et son n°

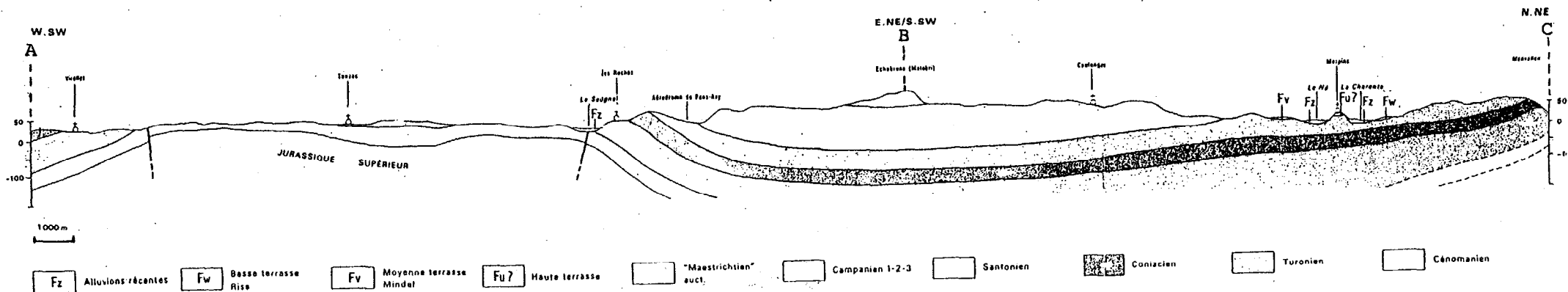
— / — : Position de la coupe géologique sur la carte de PONS



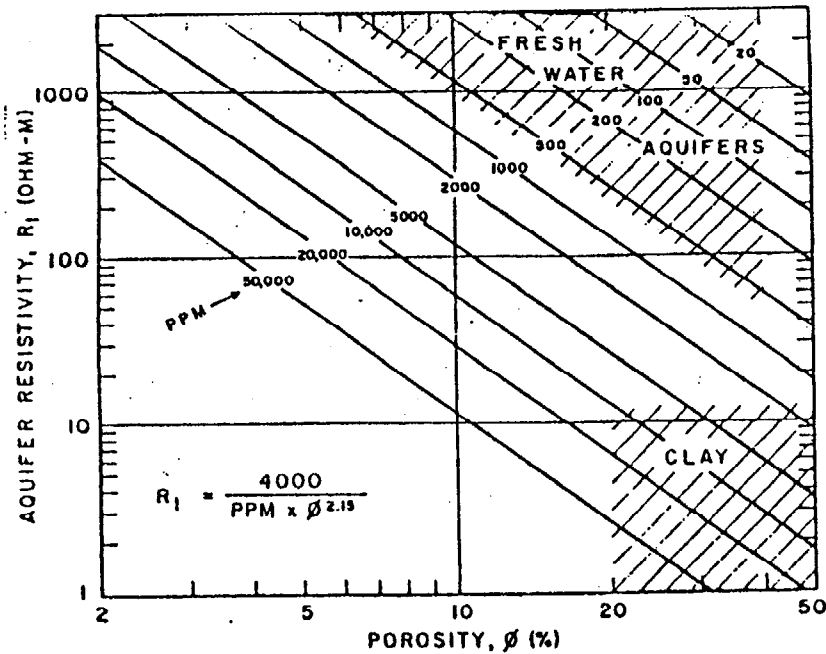


Localisation du profil géologique sur la feuille à 1/50 000 PONS et report de la zone d'étude ( document à 1/25 000 )

COUPE GEOLOGIQUE SCHEMATIQUE



- DOCUMENT 7 -

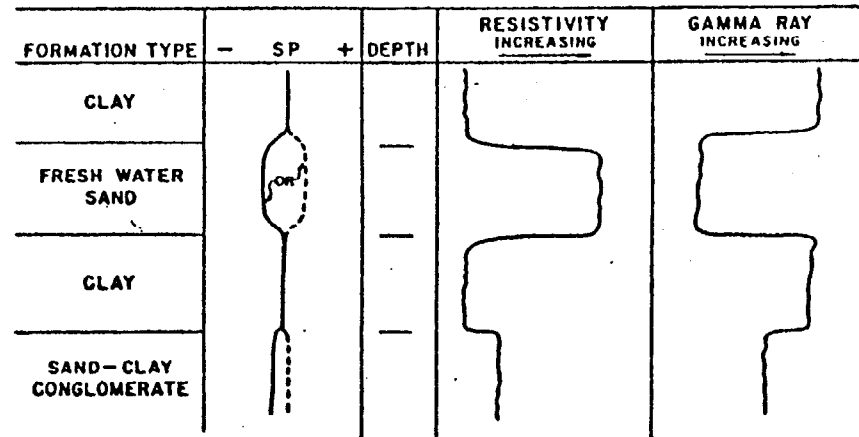


- Approximate resistivity of granular aquifers vs. porosity for several water salinities.

This situation has been previously defined as the combination of one or more Sand and Clay Formation (types A and B) only. We first consider the situation with only fresh water formations anticipated to be encountered. The following chart indicates the relative log amplitudes differentiating between Sand and Clay Formations. Sand Formations will be the fresh water formations of interest since Clay Formations contain no fresh water.

FORMATION TYPE	SP (COMPARED TO CLAY)	RESISTIVITY	GAMMA RAY	BIT PENETRATION RATE
FRESH WATER SAND	SMALL	HIGH	LOW	FAST
CLAY	—	LOW	HIGH	FAST
SAND-CLAY CONGLOMERATE	SMALL	LOW TO INTERMEDIATE	INTERMEDIATE	FAST

The following is an artificial log approximating the log appearance corresponding to each formation type.



Note the following:

1. The distinct resistivity contrast between Sand Formations and Clay Formations.
2. The distinct gamma ray contrast between Sand Formations