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LABORATOIRES

February 1976

2035 n° 6/1300 R
/ca

BA 76-571-1

2.12.91.

WELL 30/10-5

ORGANIC MATTER DIAGENESIS

The well was analyzed from 1,500 to 5,185 m, from Eocene to top Triassic on 40 cutting samples.

The section is well provided in coaly particles and gives a good, continuous diagram, but with a particular anomaly :

- the representative coals population is fortunately regularly increasing in reflectance, so as to its interruptions do not prevent to follow it : it is continue in the Tertiary and the Jurassic, but contains only spaced remnants in the Cretaceous.

Reflectance increases from .30 % at 1,800 m to 1.9 % at 5,185 m.

- another population, of lignites (coals with Reflectance .30 - .35 %) is well developed, continuous, between 2,800 and 4,500 m, i.e. just between the casing shoes 13"3/8 and 7". This coal has all along the same reflectance, without increasing versus depth, and its petrographical aspect is typical : only vitrinite (huminite), without fusinite and resinite, with a particular cellular or concentric texture. The same coal was observed in the cuttings of the well 13/3-1, and is lacking in the cores.

There we have probably a pollution by mud products (determined on palynological slides), which, being concentrated in our preparations, can represent almost 100 % in our analysis, if other organic matter is lacking in the section : for example at 4,020 and 4,420 m in the present well.

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Thus the actual mean reflectance in the well is about as follows :

Eocene	2,000 m	.30 %
Paleocene	2,500	.50 %
Upper Cretaceous	3,000	.80 %
Lower Cretaceous	4,100	1.15 %
Upper Jurassic	4,500	1.50 %
Liassic	5,000	1.75 %
Triassic	5,185	1.90 %

These results are in total agreement with the spore colouration index.

P. ROBERT

REFERENCE : ORDER N° 031204

LISTE DE DIFFUSION

DESTINATAIRES :

DIRECTION EXPLORATION	1
S.I.D.	2
DIVISION 2 - NORVEGE	16