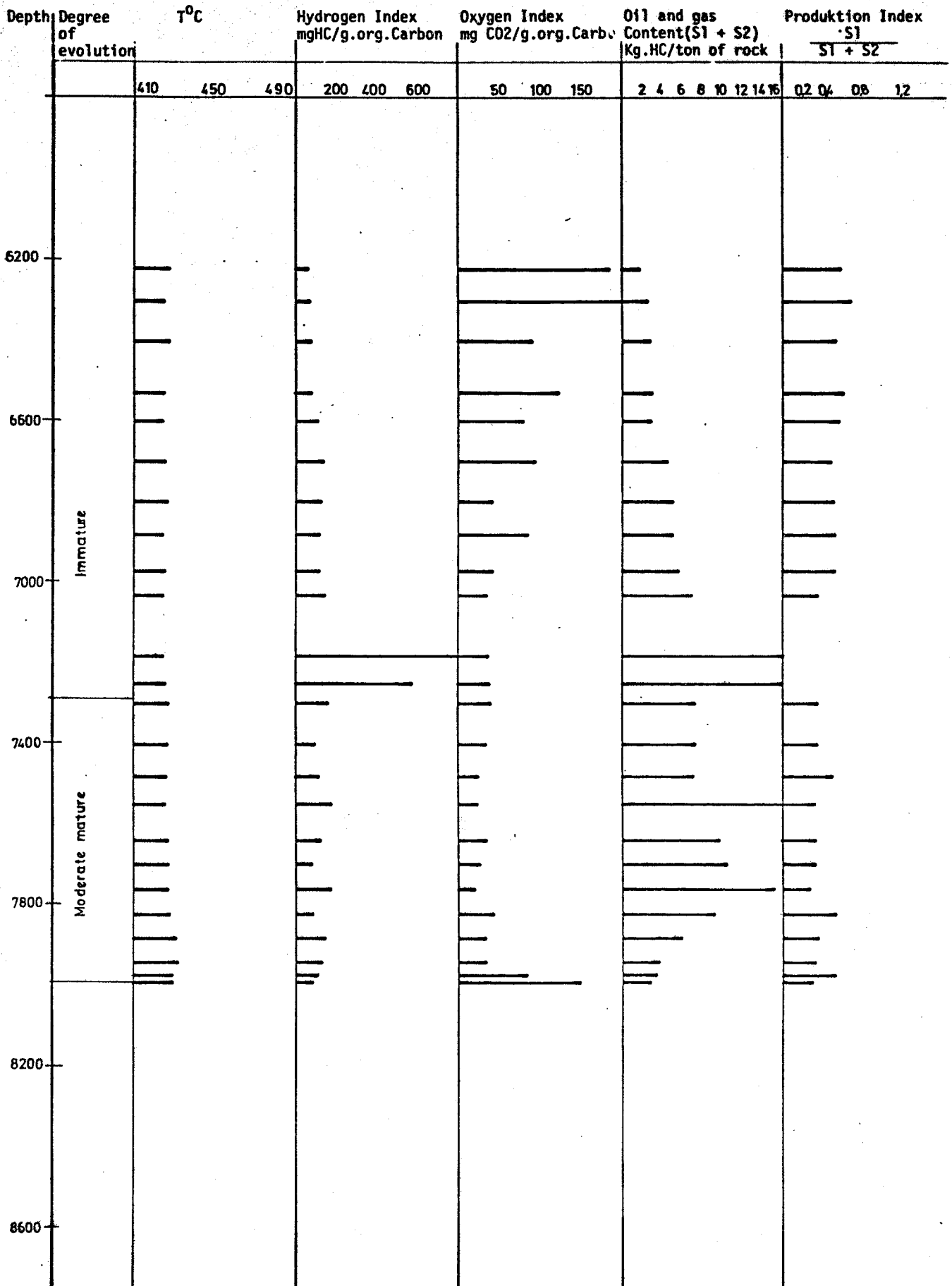
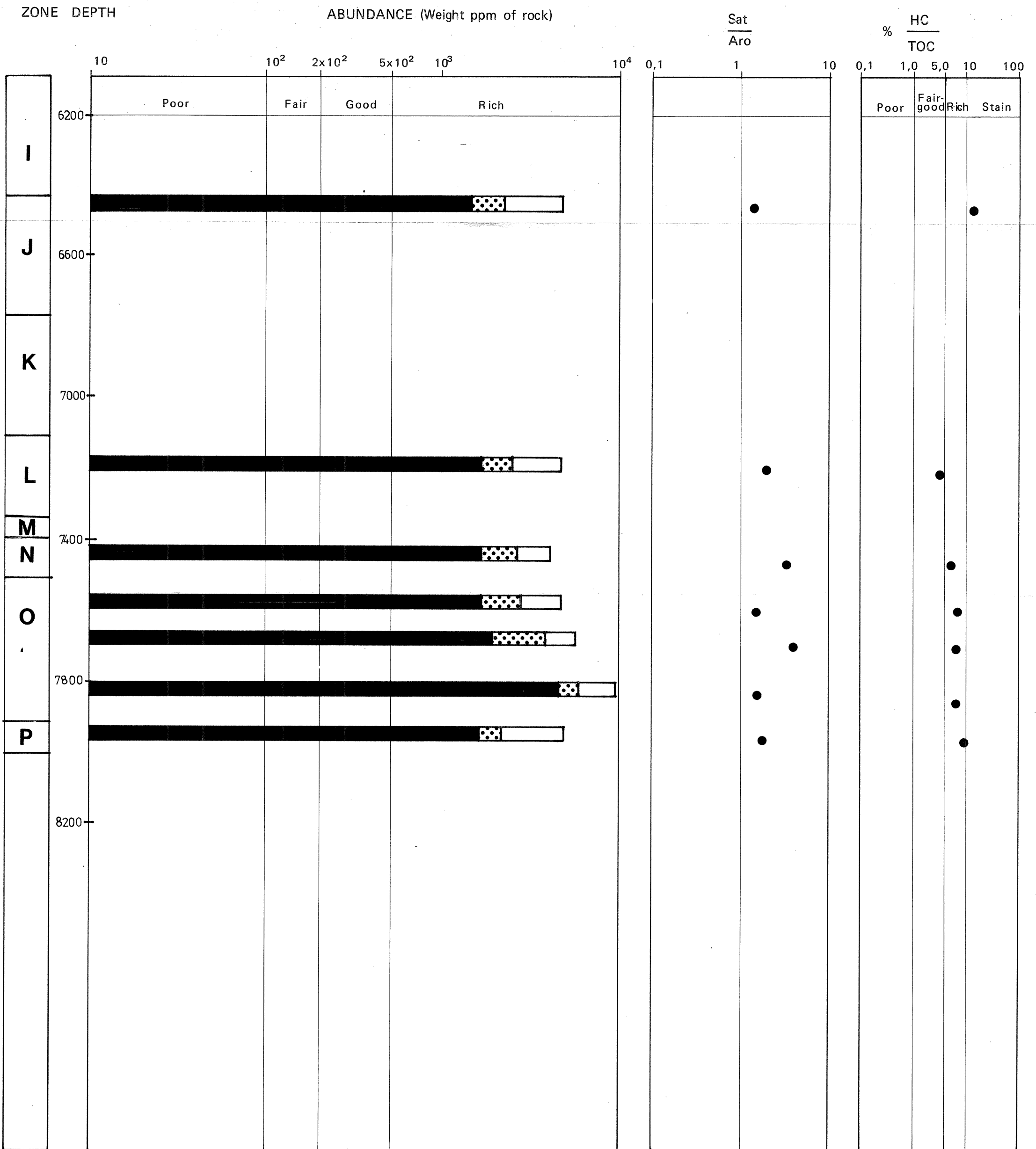


ROCK EVAL PYROLYSIS



C₁₅⁺ HYDROCARBONS
Presentation of Analytical Data

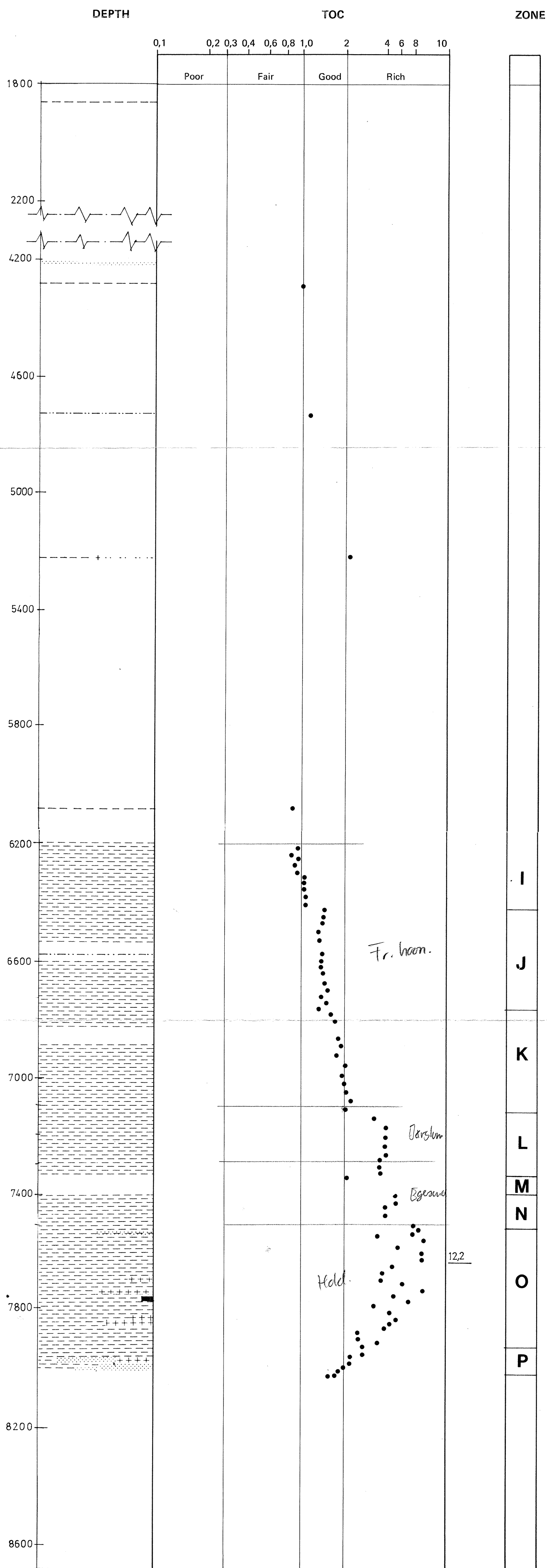



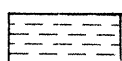
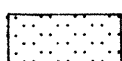
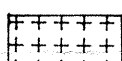

Sat. Aro. NSO Asp

Sat: Saturated Hydrocarbons
 Aro: Aromatic Hydrocarbons
 NSO: Nitrogen, Sulphur and Oxygen containing compounds

Asp: Asphaltenes
 HC: C₁₅ Hydrocarbons
 TOC: Total Organic Carbon

TOTAL ORGANIC CARBON (TOC)
Presentation of Analytical Data

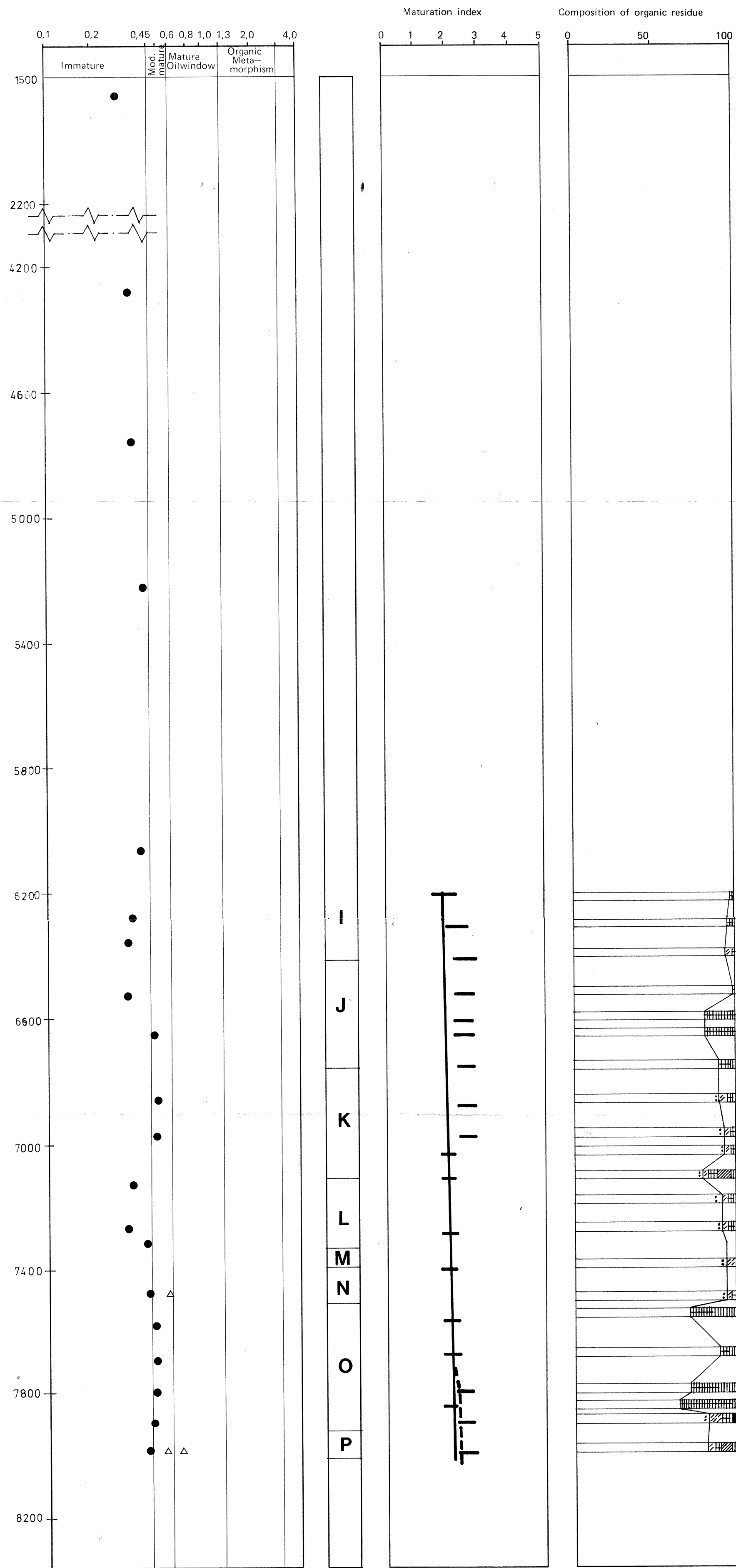


-  Sandstone
-  Claystone
-  Siltstone
-  Salt
-  Coal

MATURATION

VISUAL KEROGEN

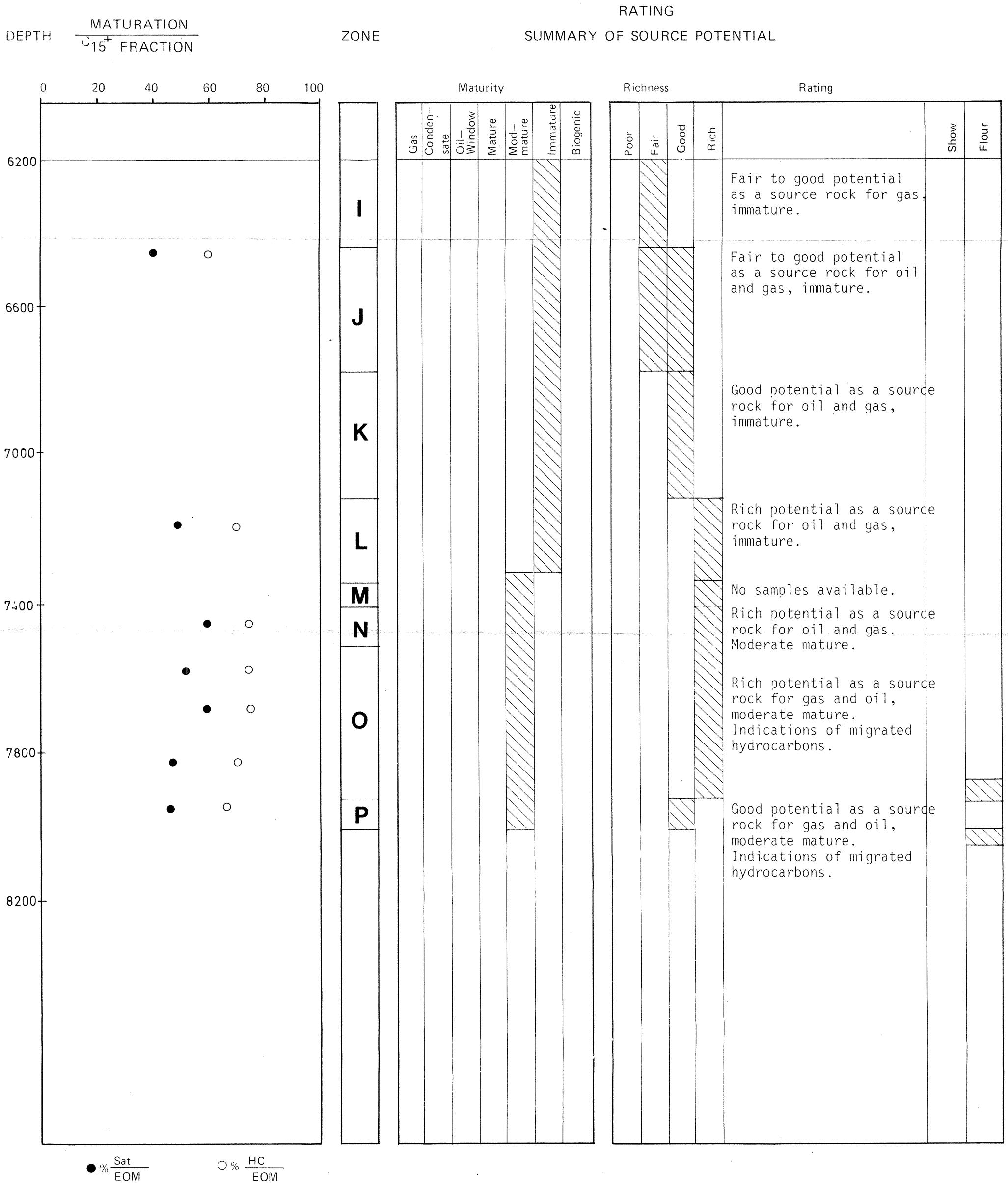
DEPTH VITRINITE REFLECTANCE ZONE COLORATION AND COMPOSITION OF ORGANIC RESIDUE



● True vitrinite
 △ Reworked

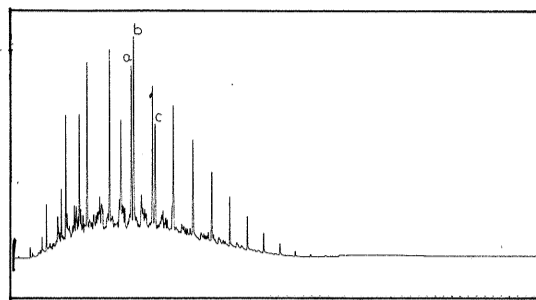
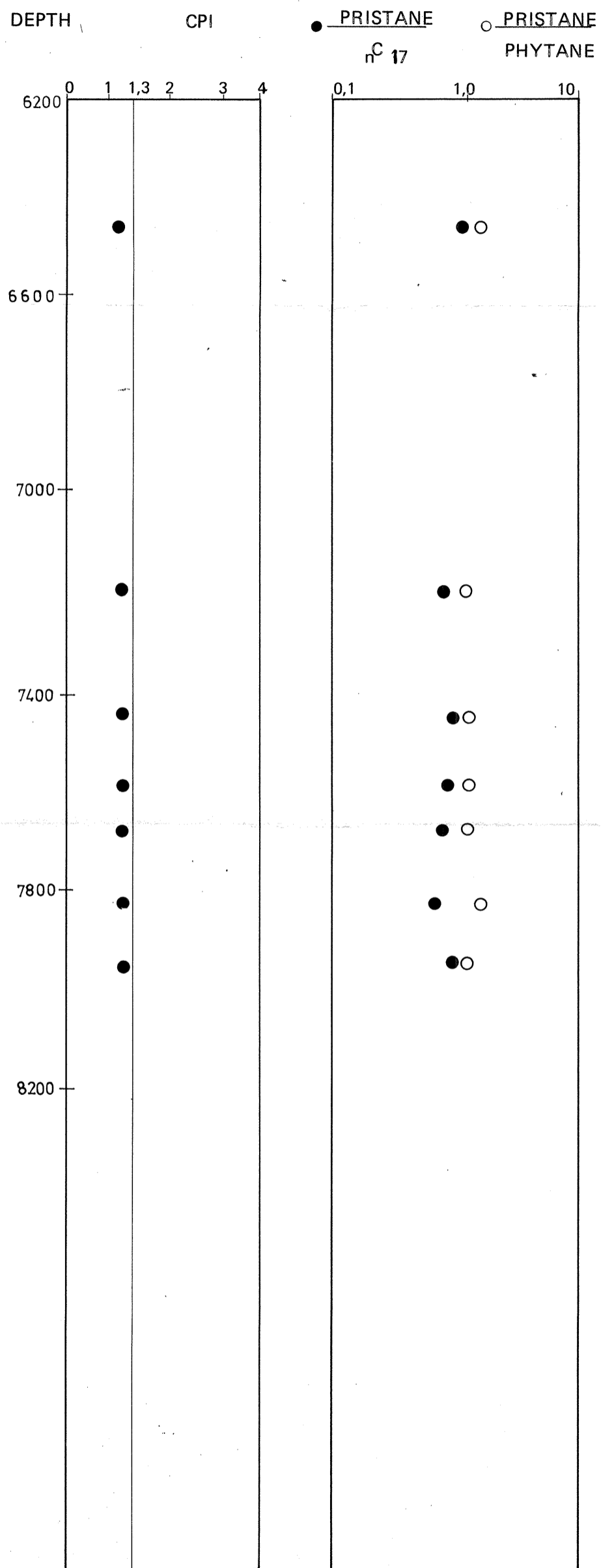
- Amorphous material, Sapropel
- Algal
- Spores and pollen
- Cuticles
- Wood remains
- Undifferentiated disperse herbaceous material
- Black coal fragments

INTERPRETATION DIAGRAM

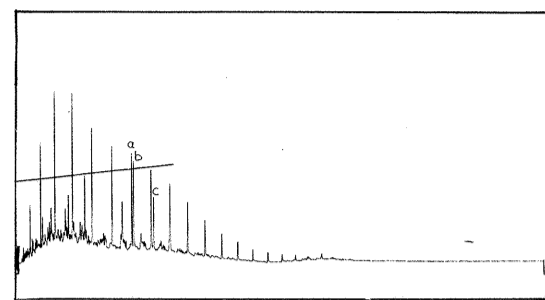


● % $\frac{\text{Sat}}{\text{EOM}}$ ○ % $\frac{\text{HC}}{\text{EOM}}$
 Sat: Saturated Hydrocarbons
 HC: Hydrocarbons
 EOM: Extractable Organic Matter

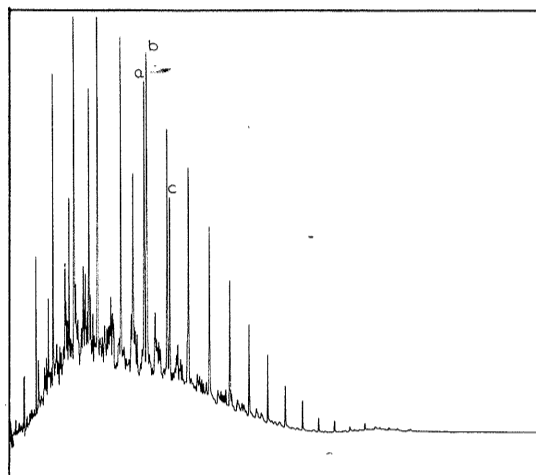
C₁₅⁺ SATURATED HYDROCARBONS



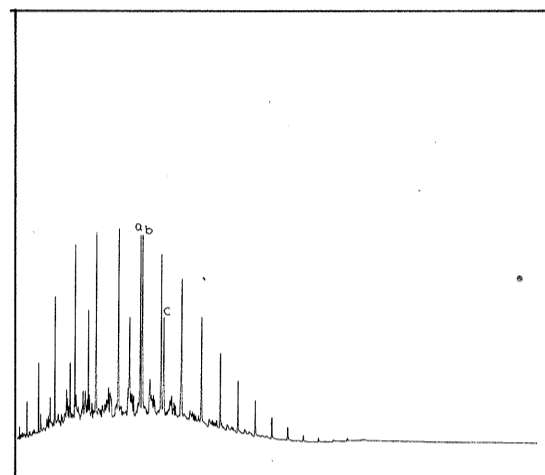
6400 - 6500



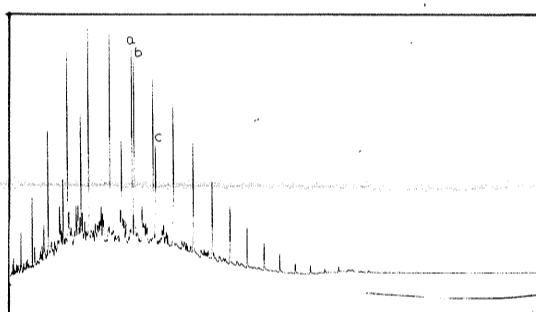
7150 - 7225



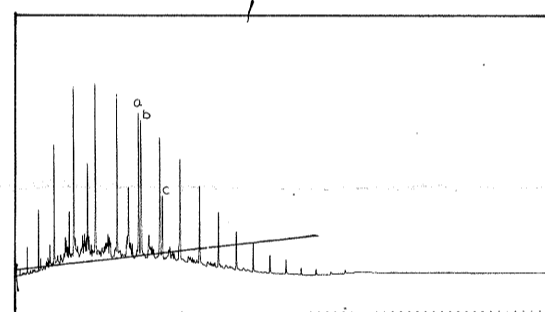
7400 - 7425



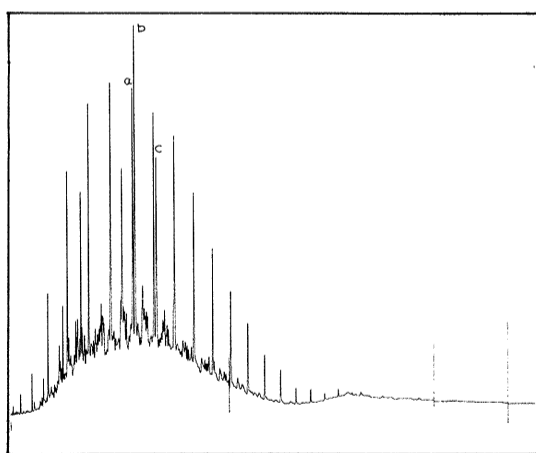
7540 - 7575



7660 - 7680



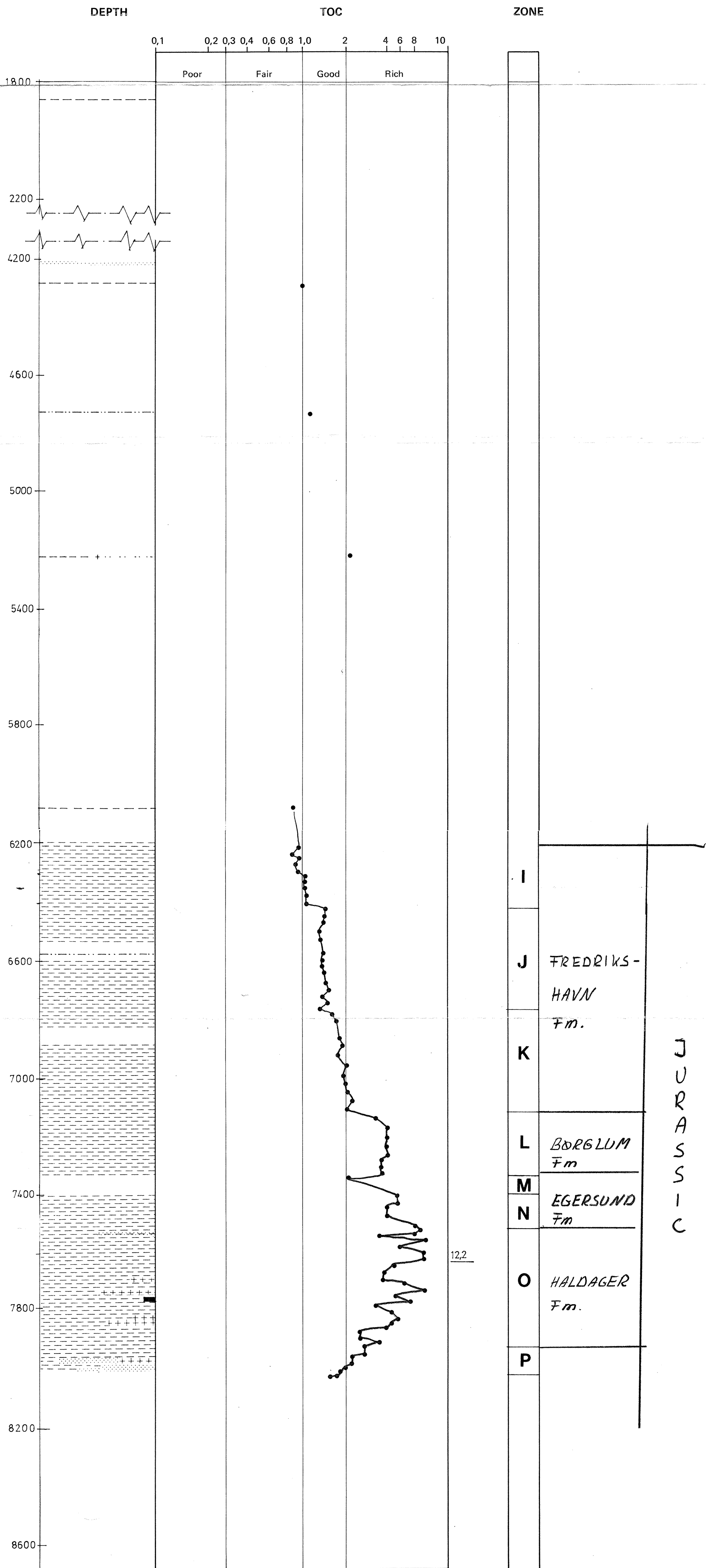
7800 - 7820




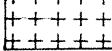



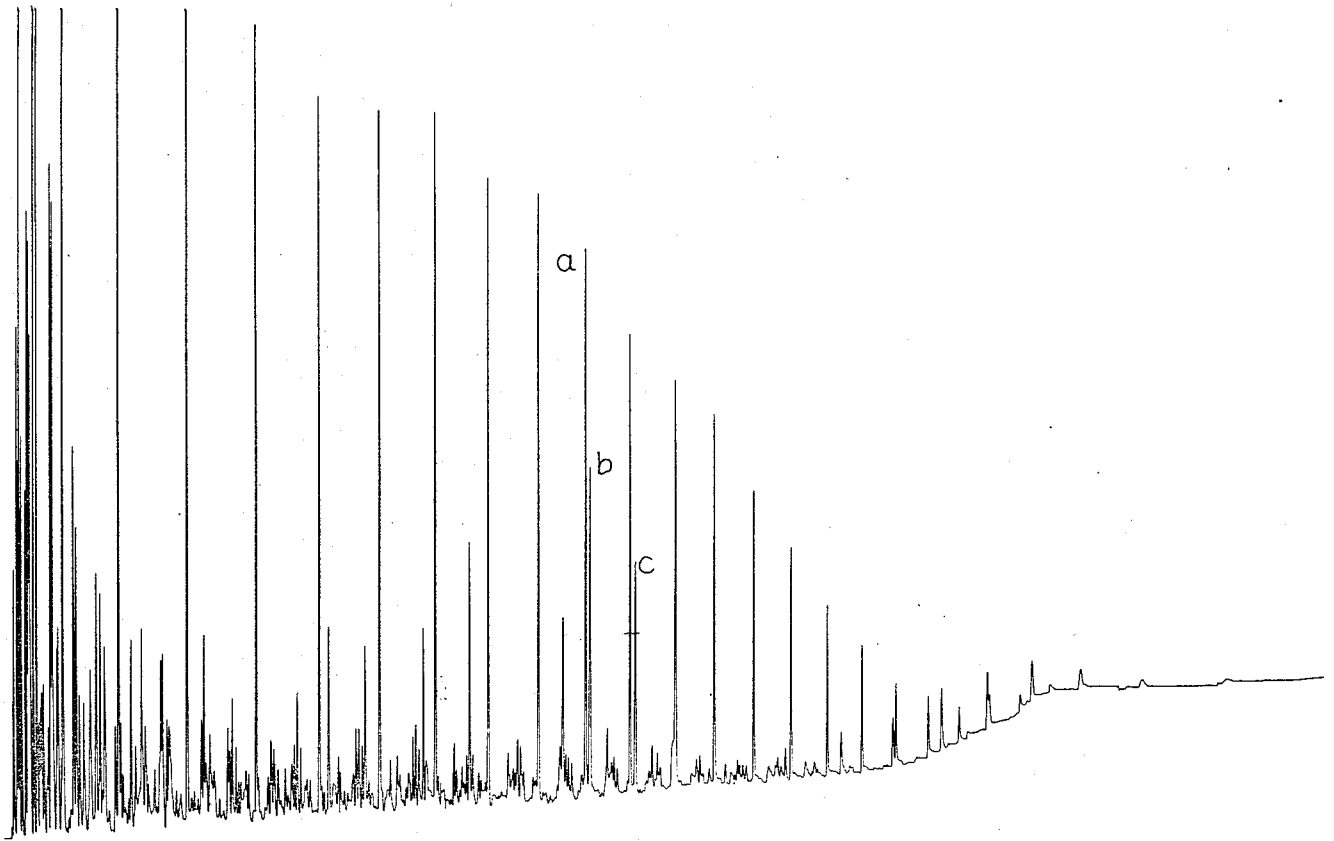
7900 - 7930

a = nC₁₇
 b = Pristane
 c = Phytane

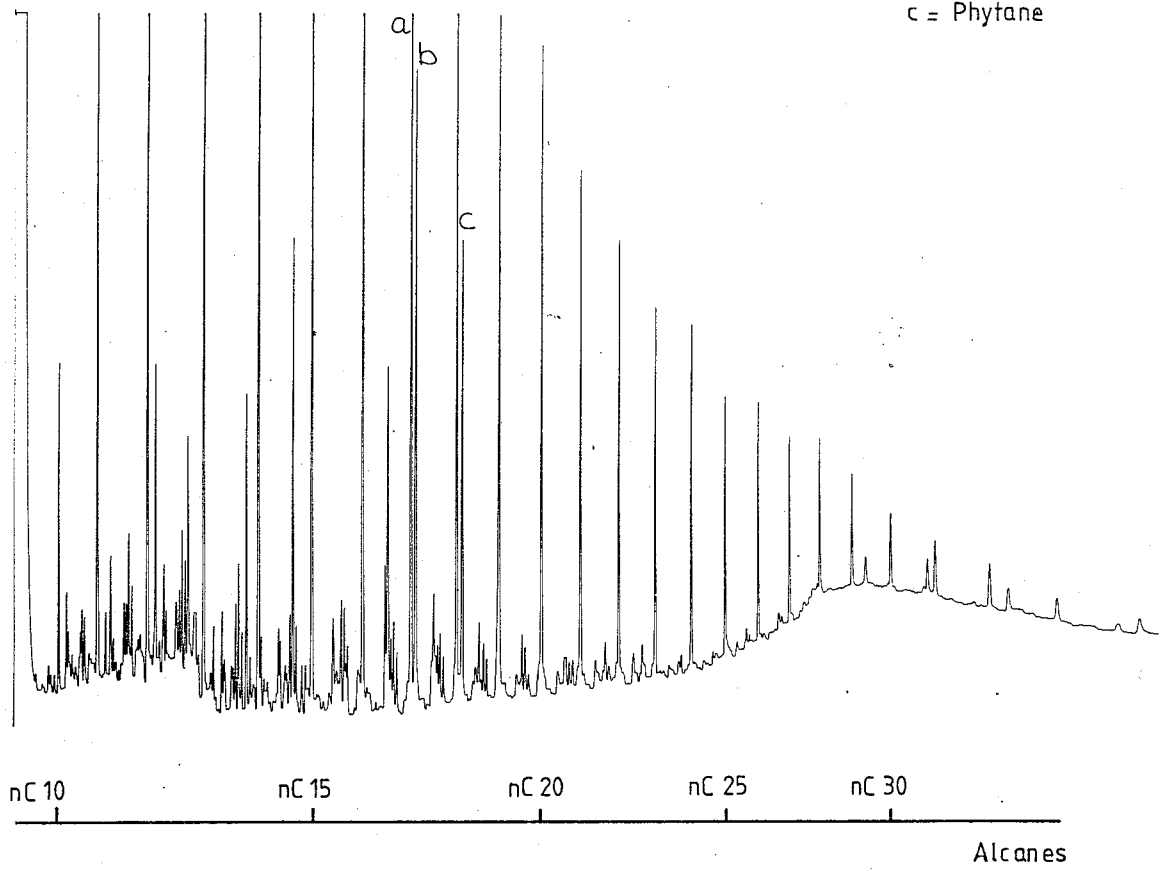
TOTAL ORGANIC CARBON (TOC)
Presentation of Analytical Data



-  Sandstone
-  Claystone
-  Siltstone
-  Salt
-  Coal



a = nC 17
b = Pristane
c = Phytane



Gaschromatograms of whole oil, and saturated fraction of well 17/12 - 1