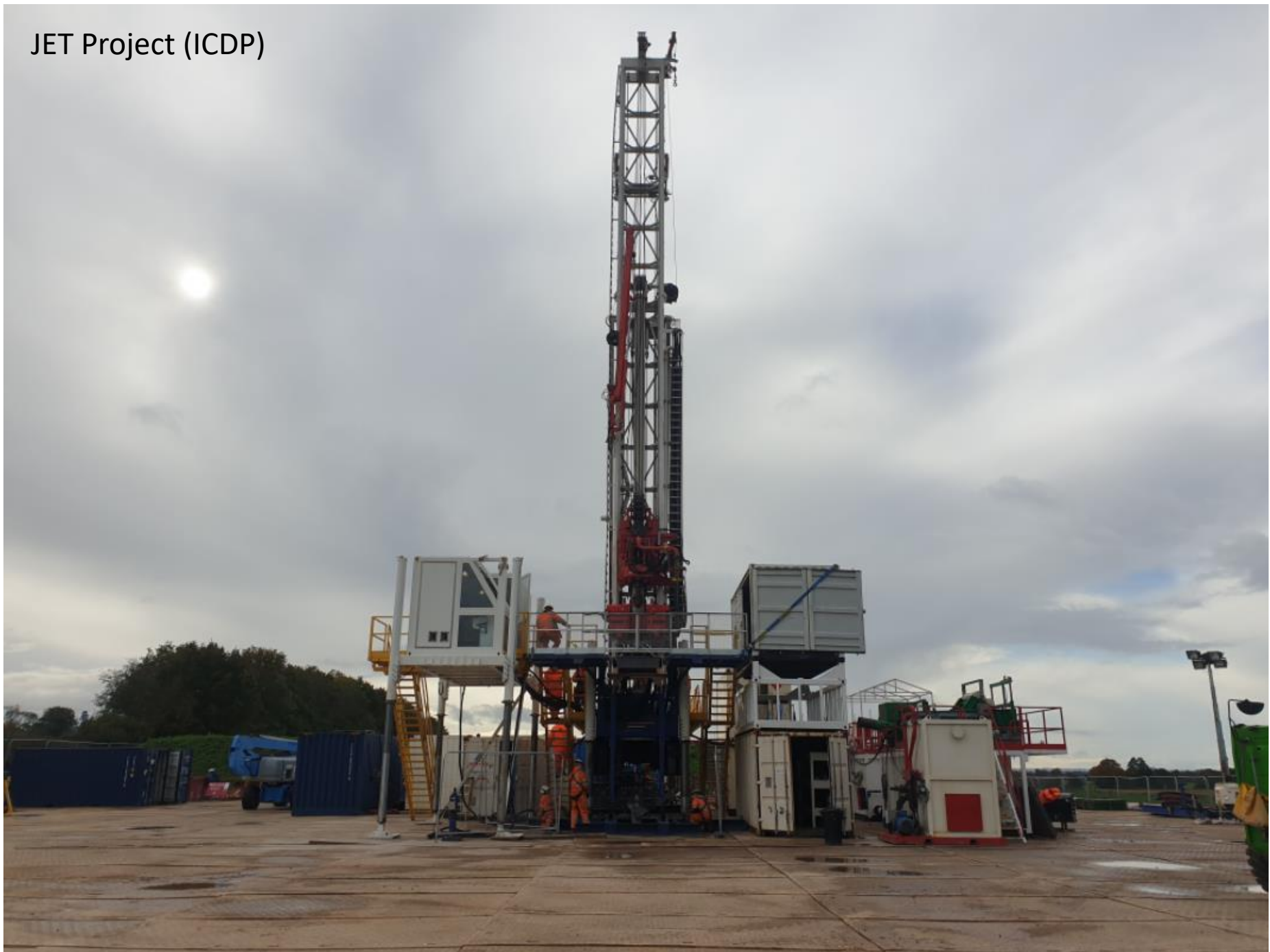
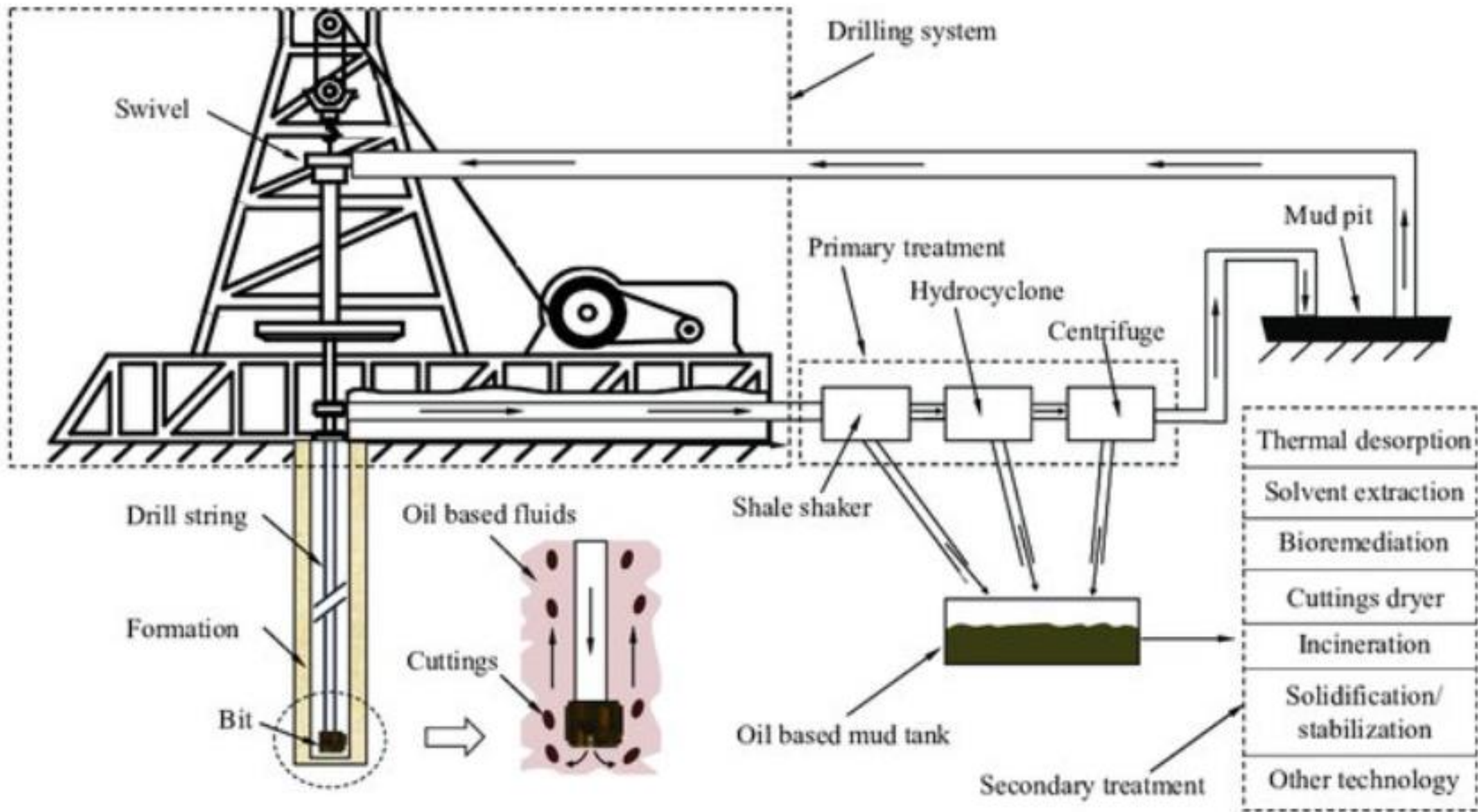


# Análise de rochas sedimentares em poço

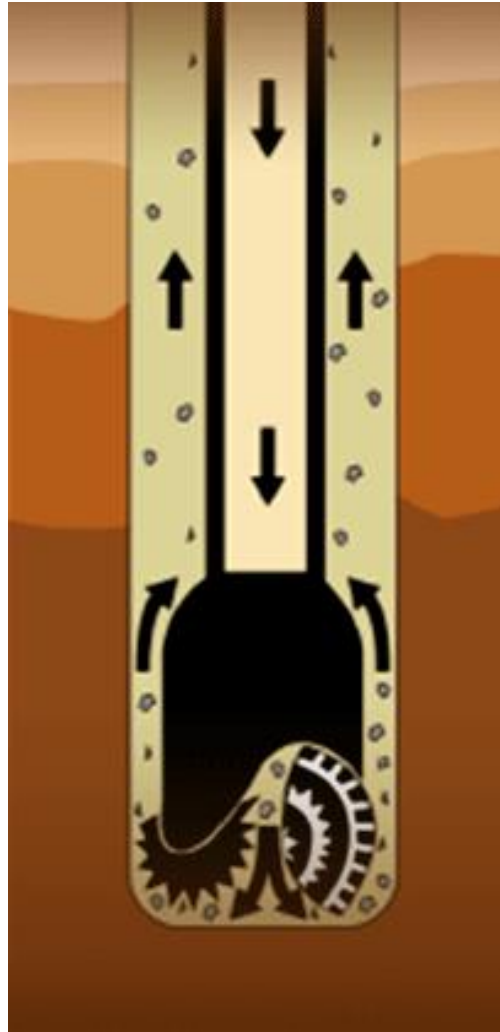
GSA0252-Sedimentologia

JET Project (ICDP)

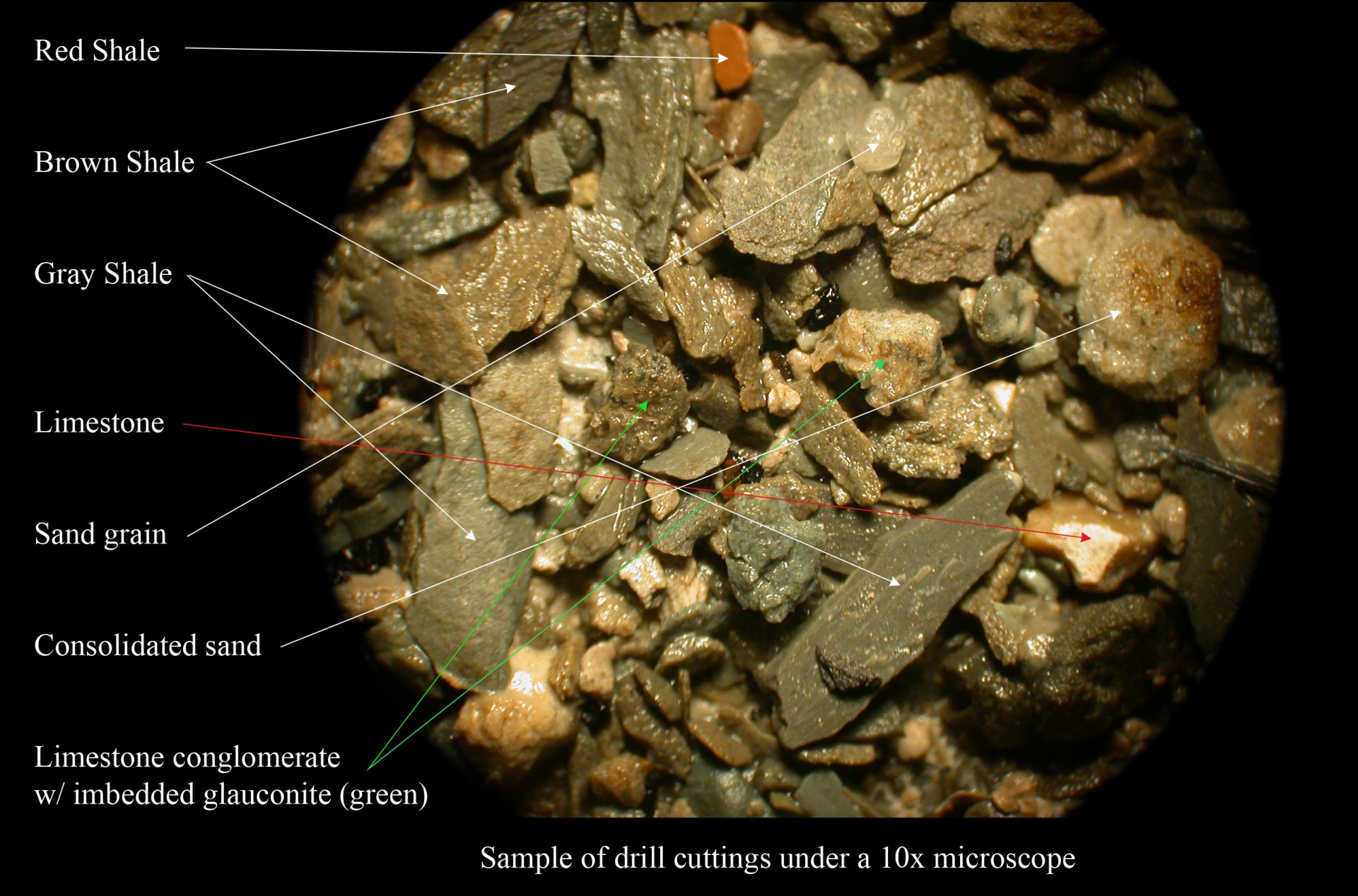




# Amostras de calha (*cuttings*)



Behrooz Esrafil-Dizaji (Cutting Analysis)



Red Shale

Brown Shale

Gray Shale

Limestone

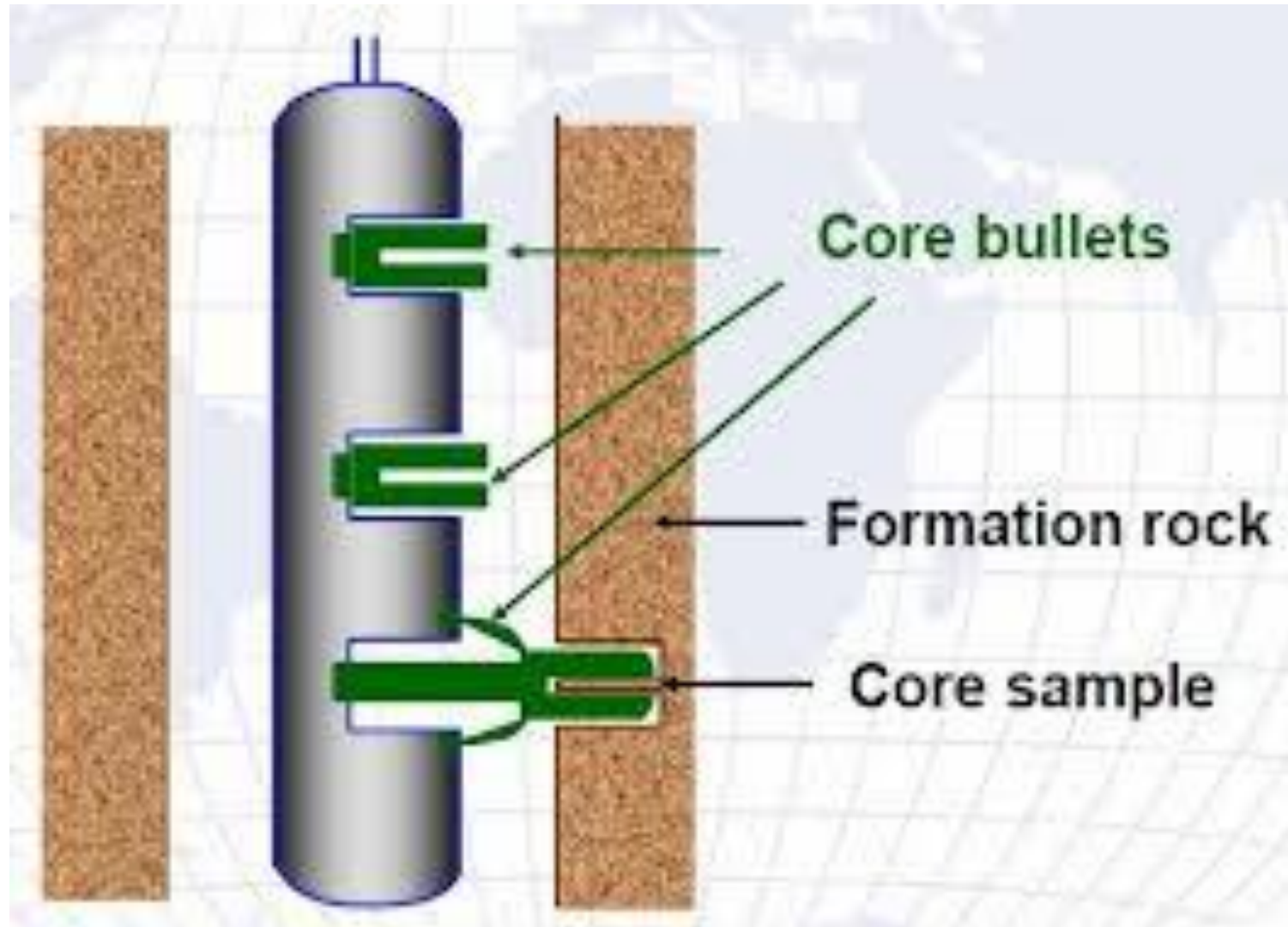
Sand grain

Consolidated sand

Limestone conglomerate  
w/ imbedded glauconite (green)

Sample of drill cuttings under a 10x microscope

# Amostras laterais



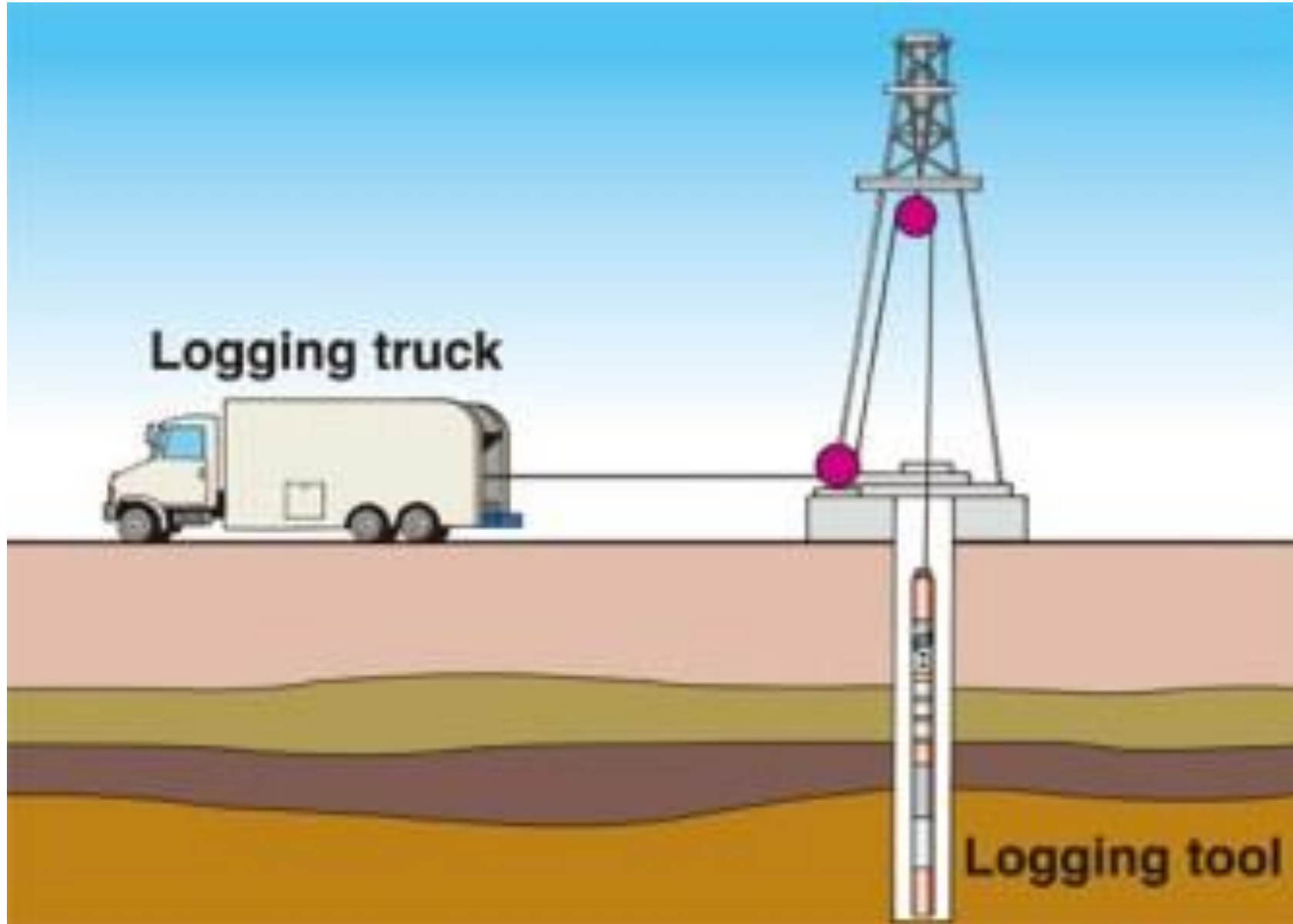
# Testemunhos (cores)







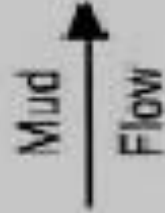
# Perfilagem geofísica



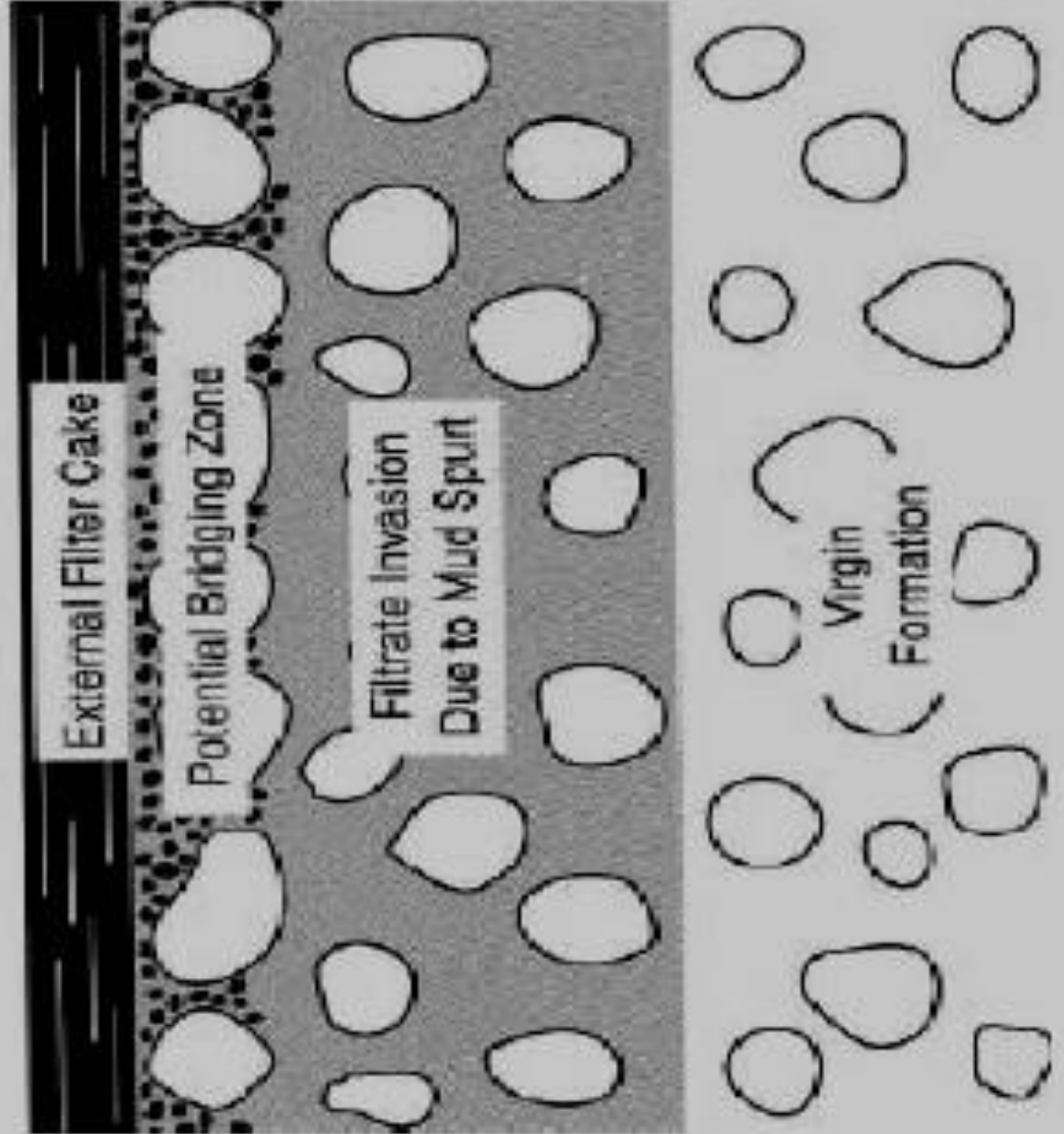
Formação: matriz mineral+poro/fluido

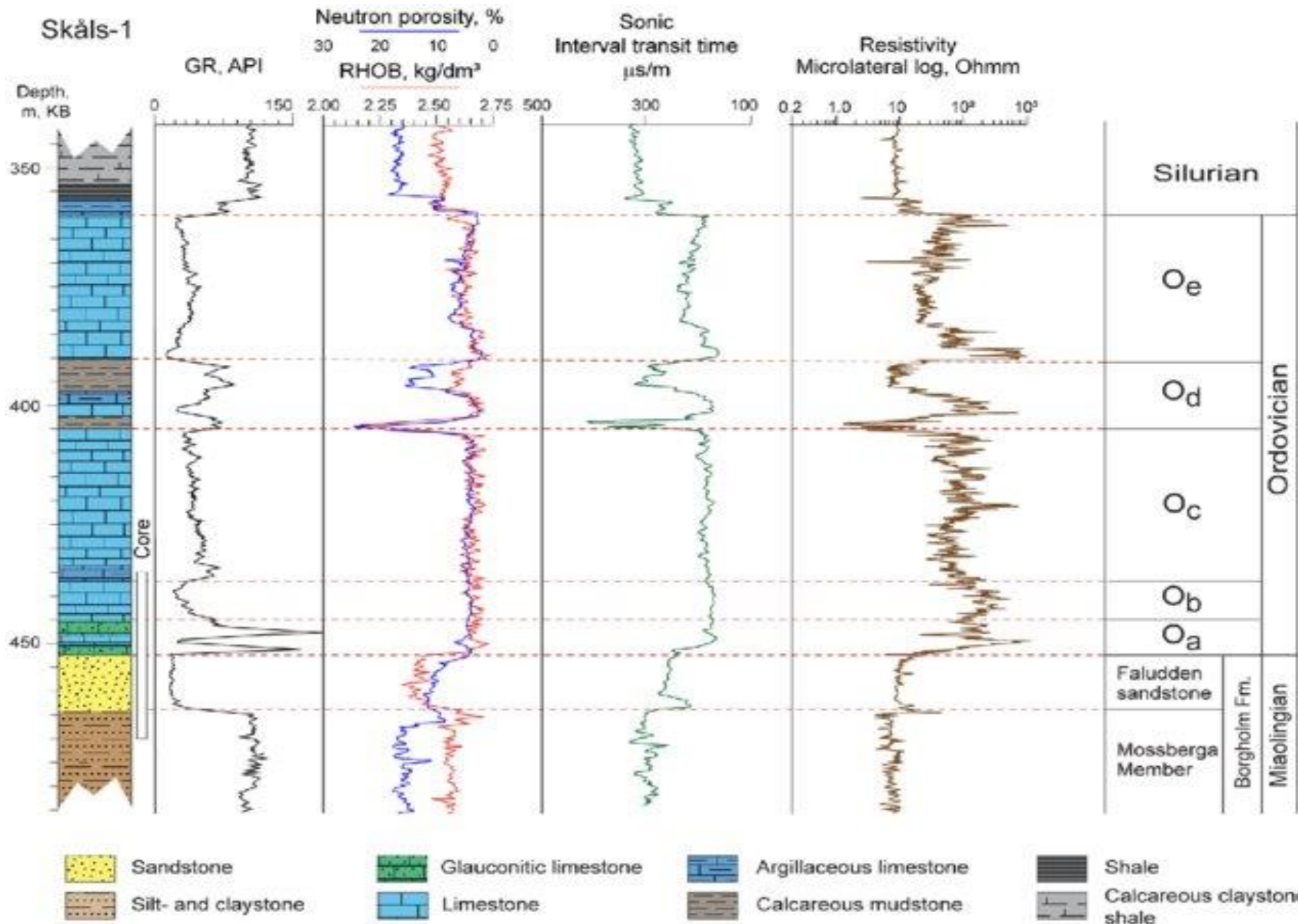
## Ambiente de perfilagem

Fluido de perfuração:  
Fração líquida+  
Fração sólida



Borehole





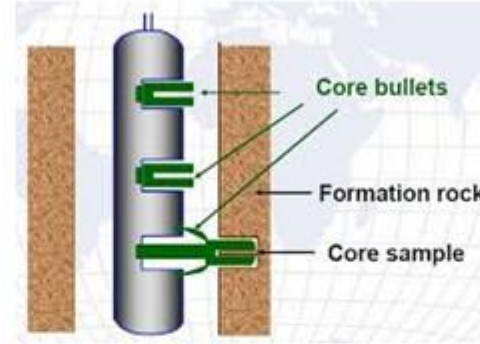
# Avaliação e acompanhamento de poço

## Amostras de calha

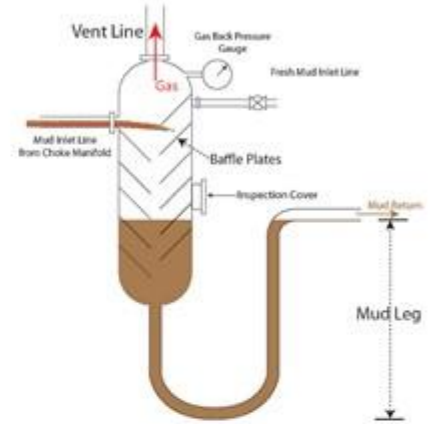


PENEIRA DE AMOSTRAS DE CALHA

## Amostras laterais



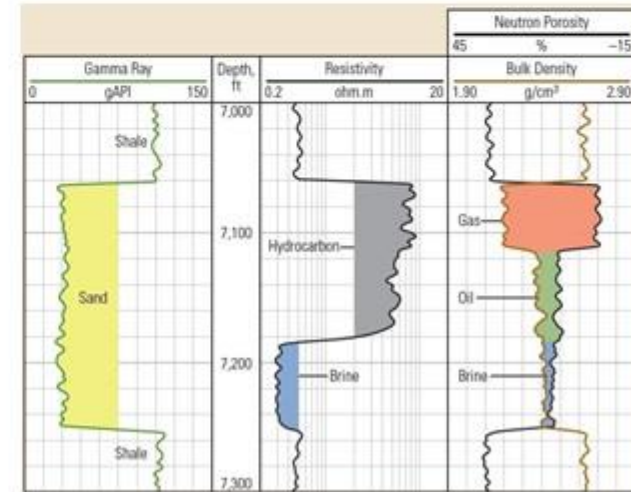
## Análise de gás na lama



## Testemunhos



## Perfilagem geofísica



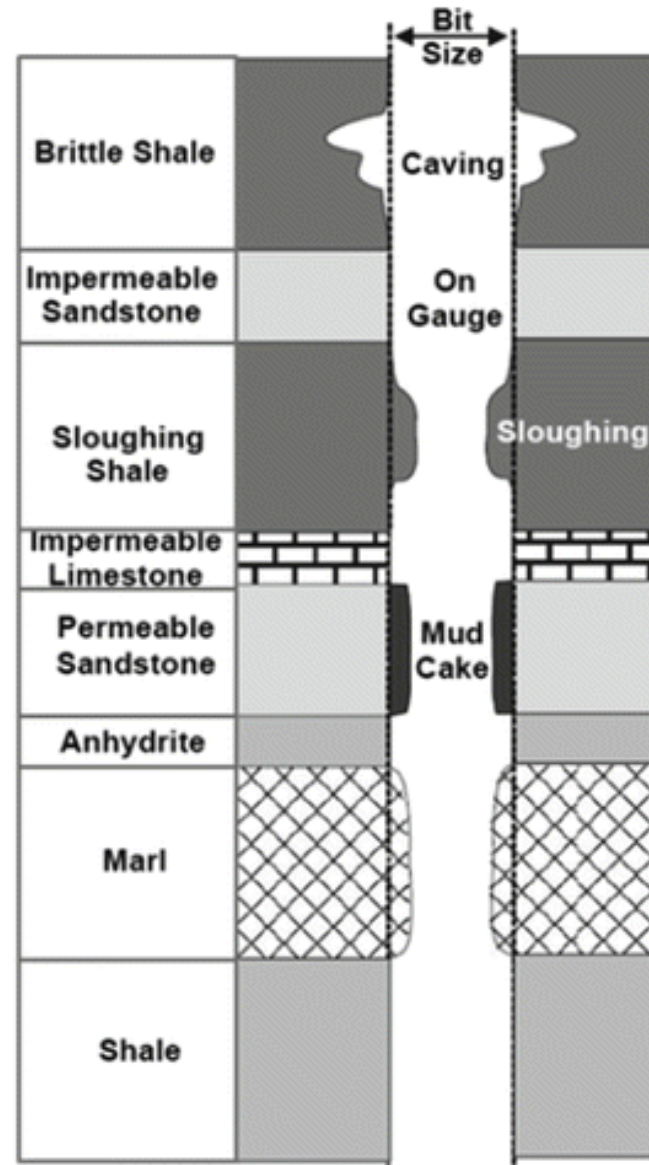
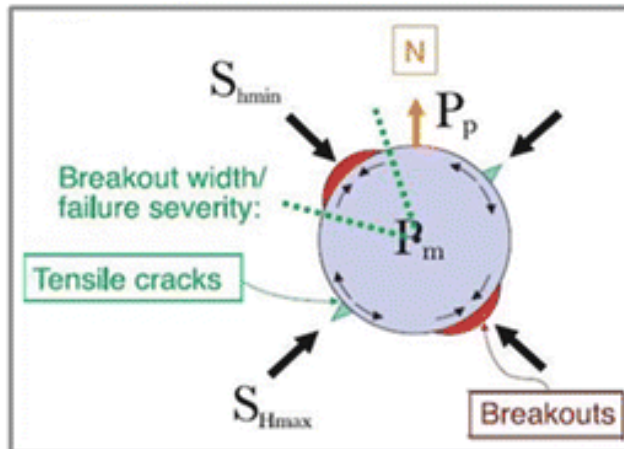
# Métodos básicos de perfilagem

- Calibre
- Gama natural
- Densidade (gama-gama)
- Nêutrons
- Sônico
- Resistividade

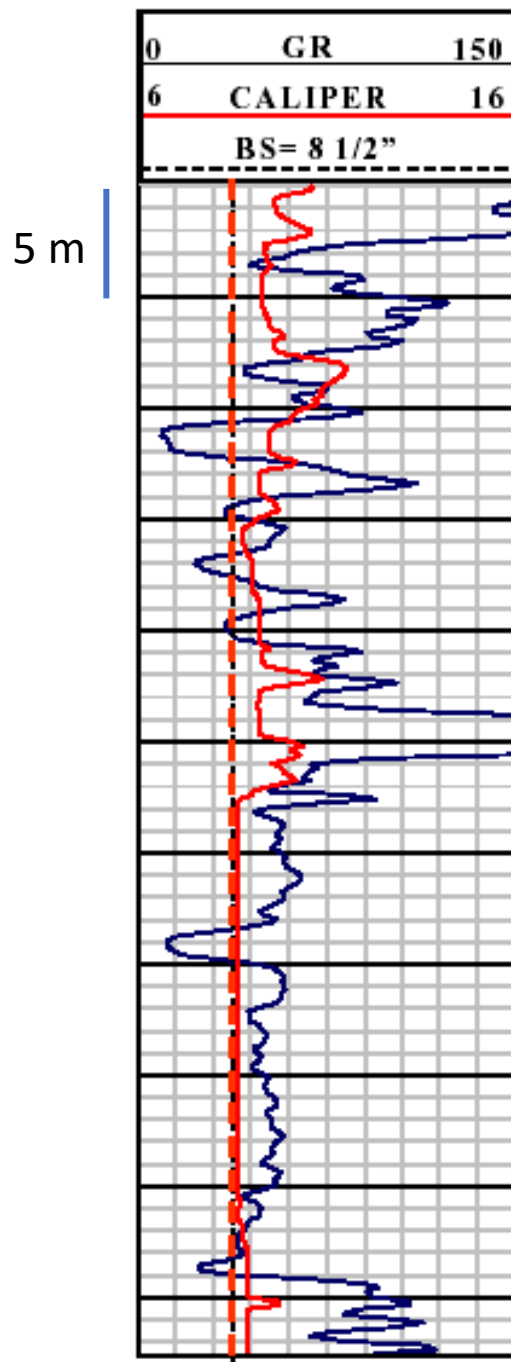
# Perfil de calibre



**Borehole breakout**



Vamos analisar o perfil de calibre (curva vermelha)



Qual a origem da radioatividade das rochas sedimentares?

Quais rochas sedimentares apresentam menor e maior radioatividade?