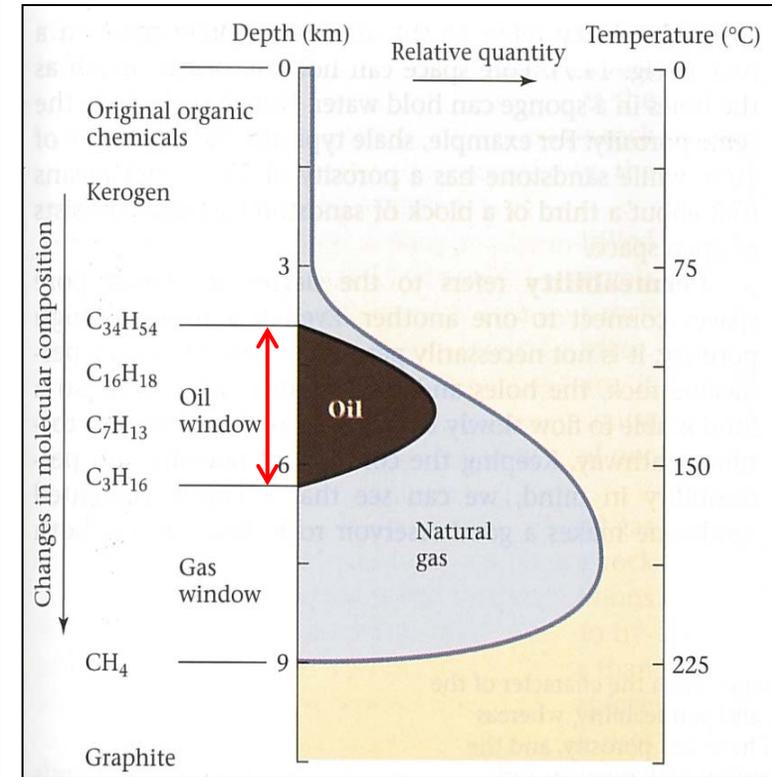
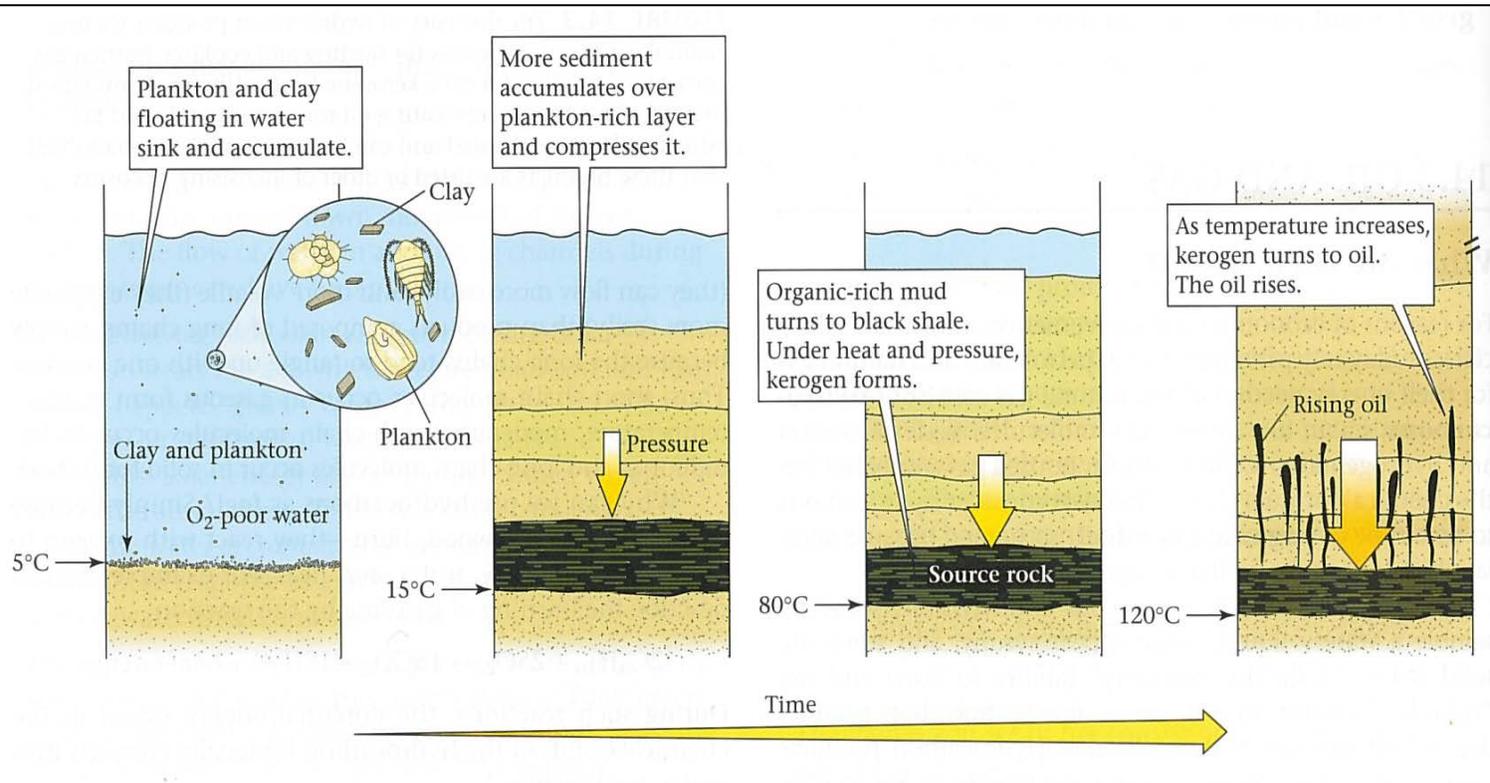


# Oil Generation (dannelsen av olje)



A source rock must be heated between 80 – 150°C such that petroleum can be generated.

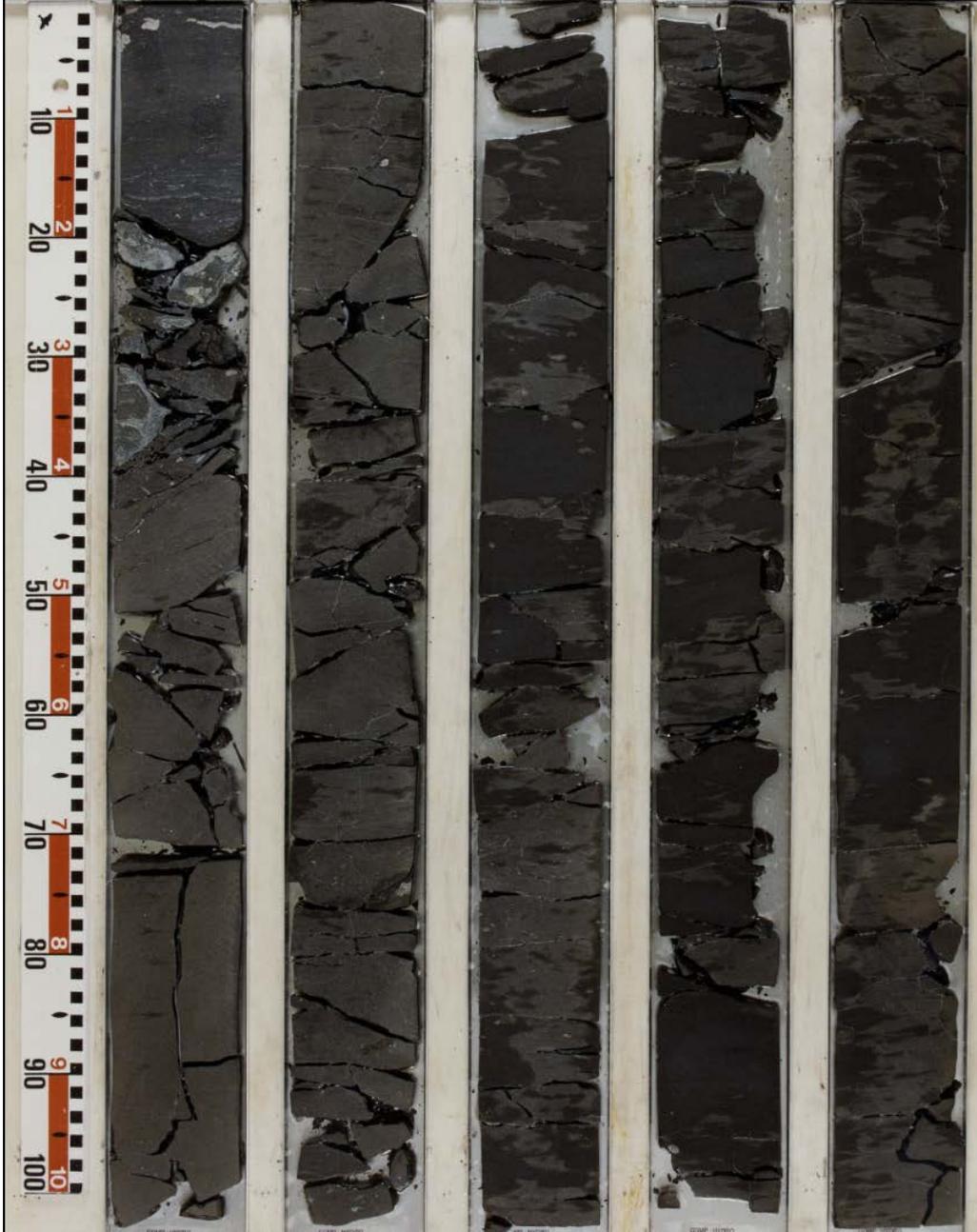
This temperature range is called the **OIL WINDOW**. If a source rock is not in this temperature window then no oil is generated.

The first step in exploration for oil is to determine if a potential source rock has been buried into the oil window.

HYDRO 30/9-14

CORE 1

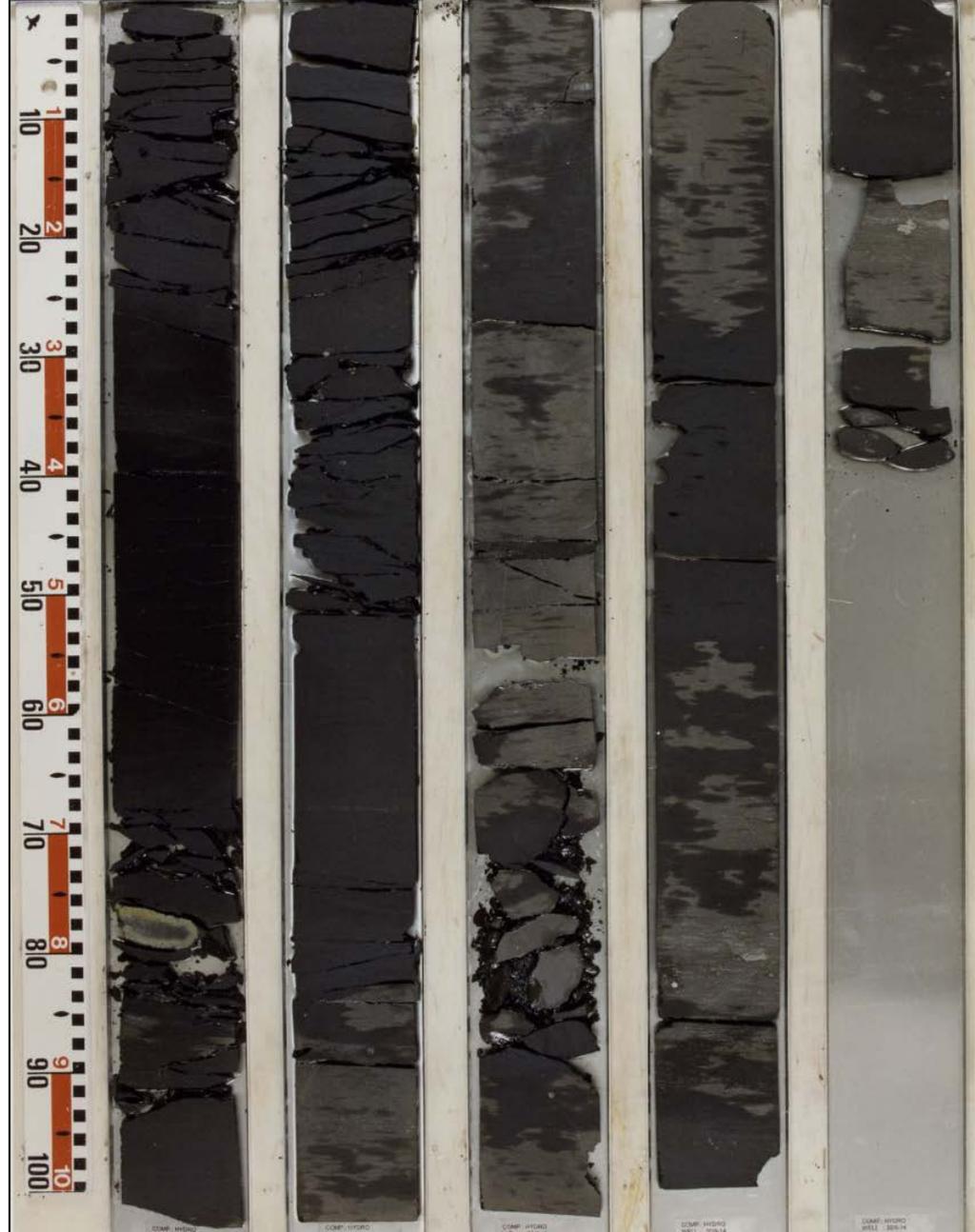
T. 2973.00	T. 2974.00	T. 2975.00	T. 2976.00	T. 2977.00
B. 2974.00	B. 2975.00	B. 2976.00	B. 2977.00	B. 2978.00

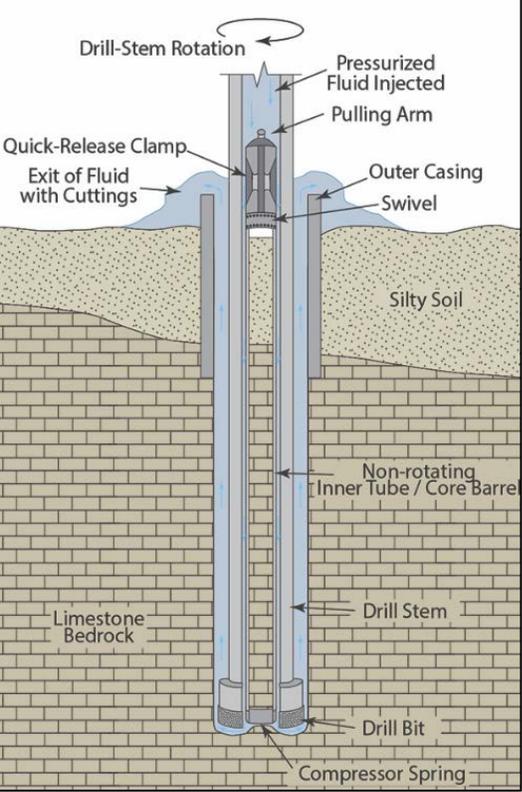


HYDRO 30/9-14

CORE 2

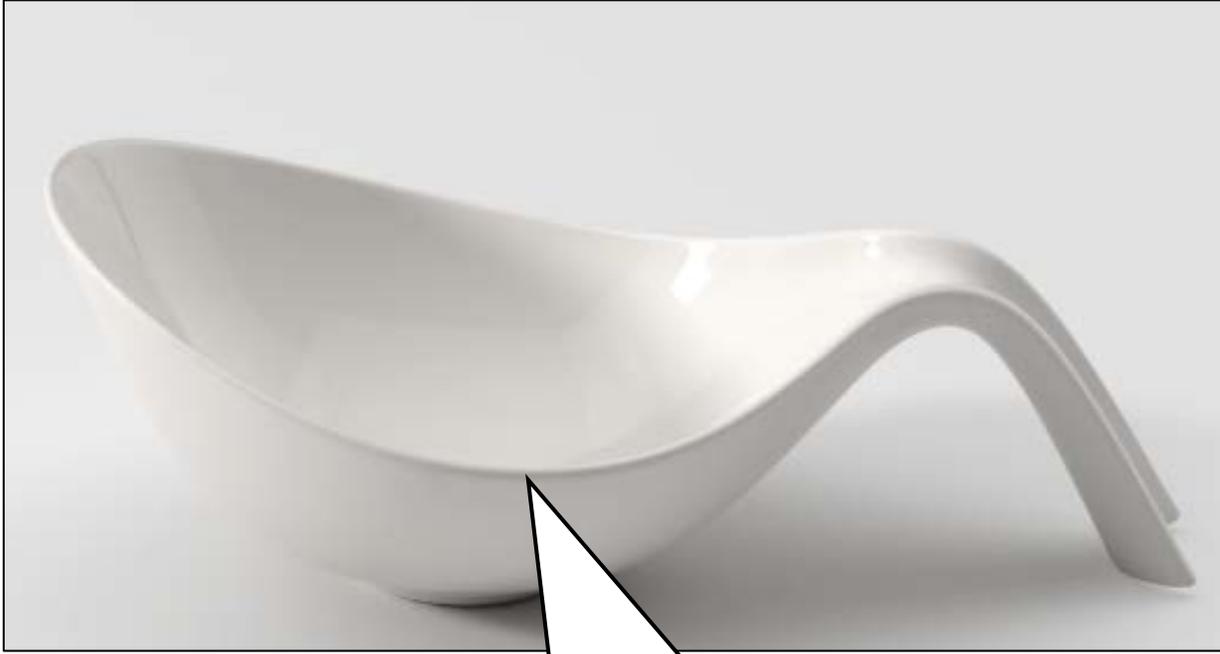
T. 2981.00	T. 2982.00	T. 2983.00	T. 2984.00	T. 2985.00
B. 2982.00	B. 2983.00	B. 2984.00	B. 2985.00	B. 2985.40



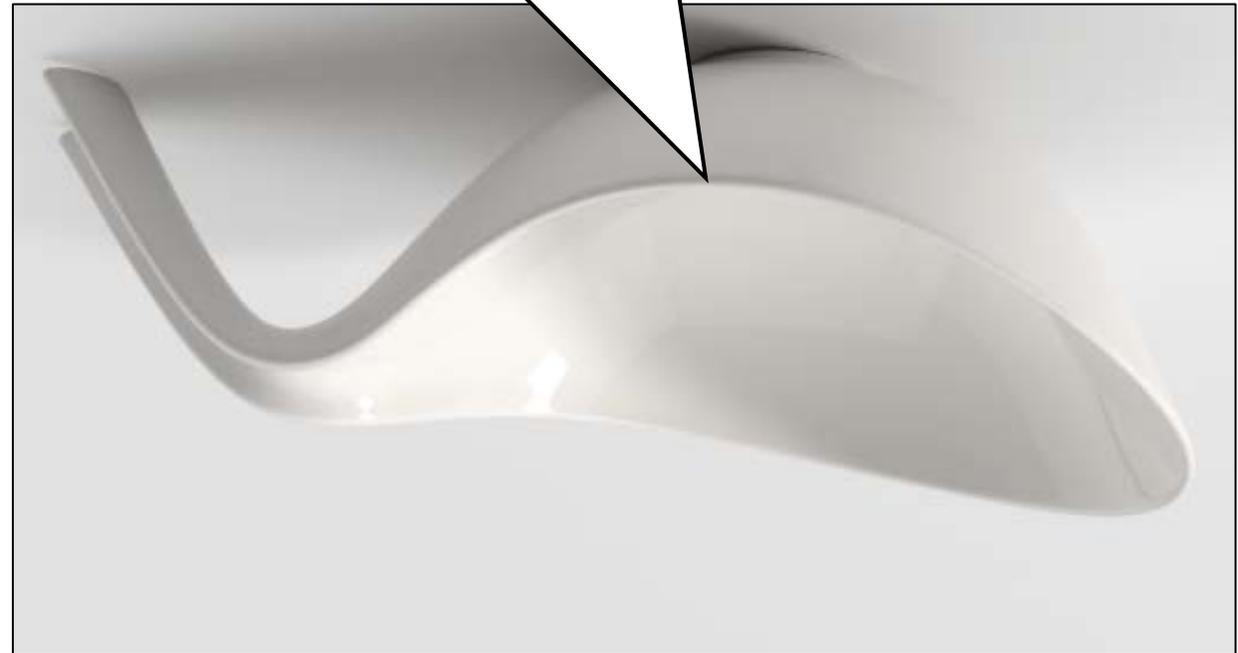


**Hvordan strømmer oljen til en felle?  
Og hva er egentlig en "felle"?**

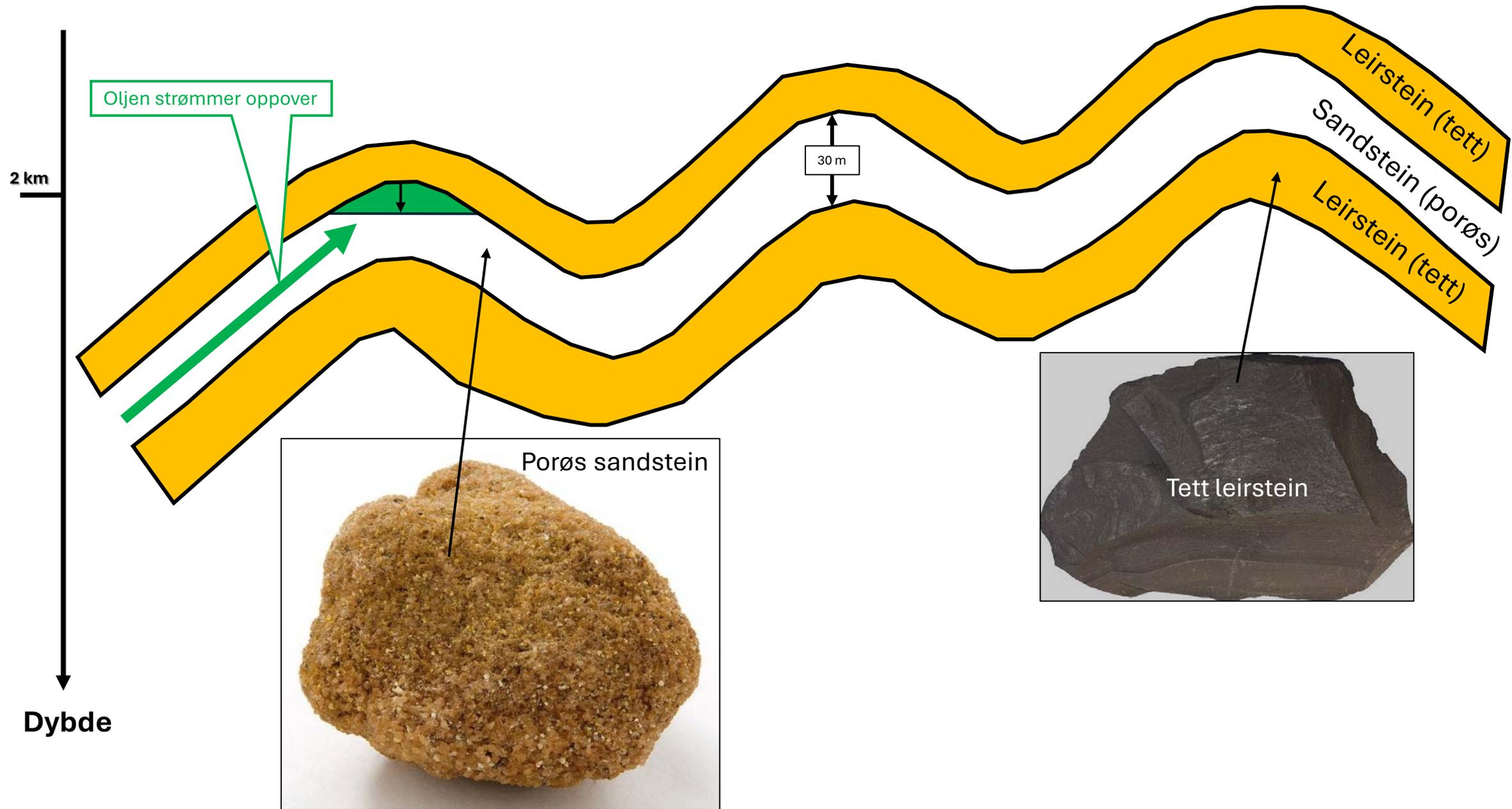
# Hva er en spill punkt?

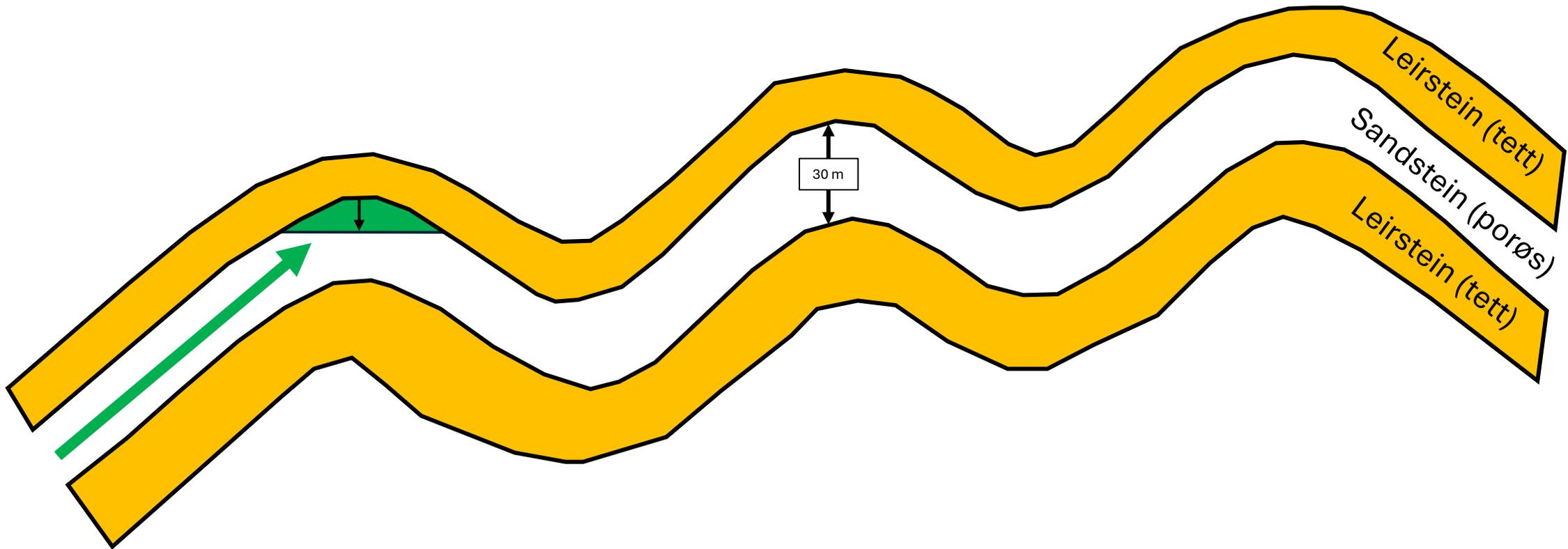


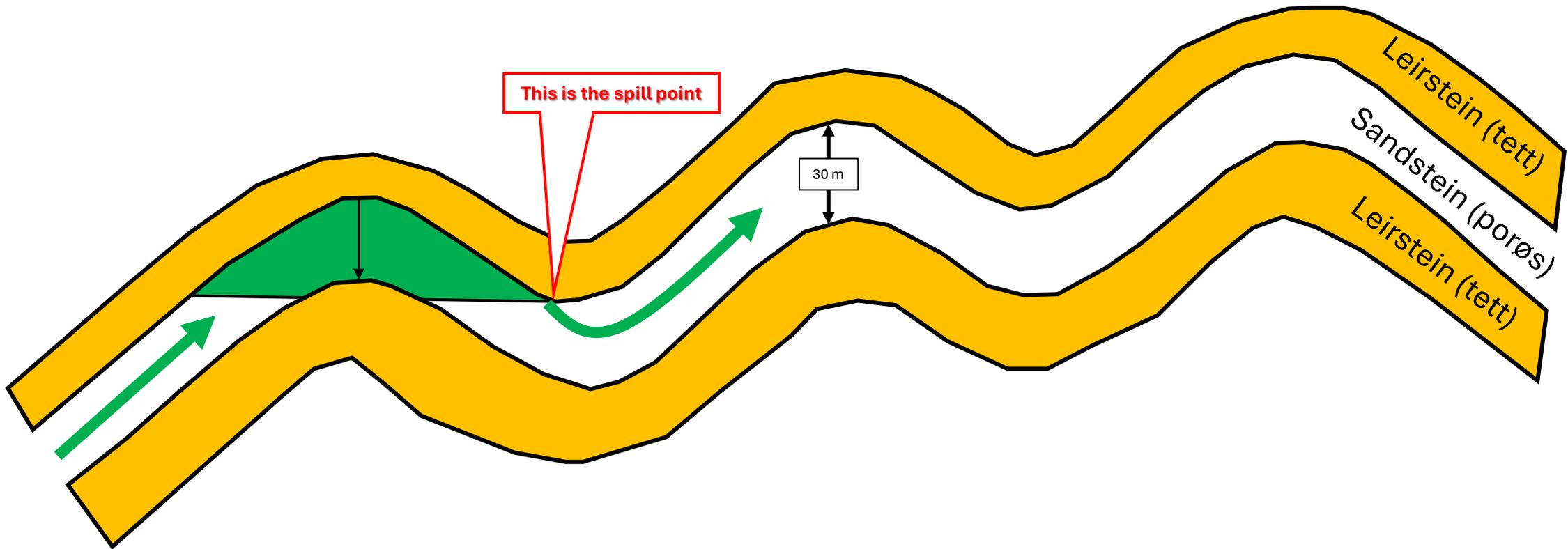
Opp til dette punktet kan bollen fylles med suppe

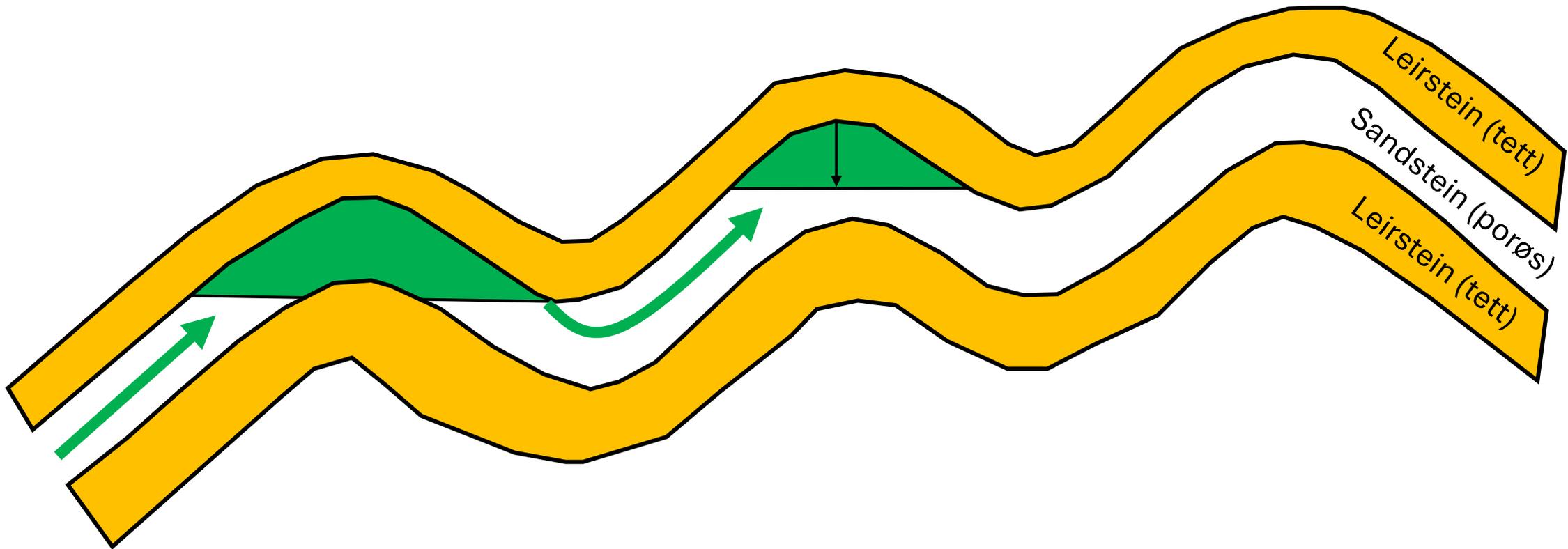


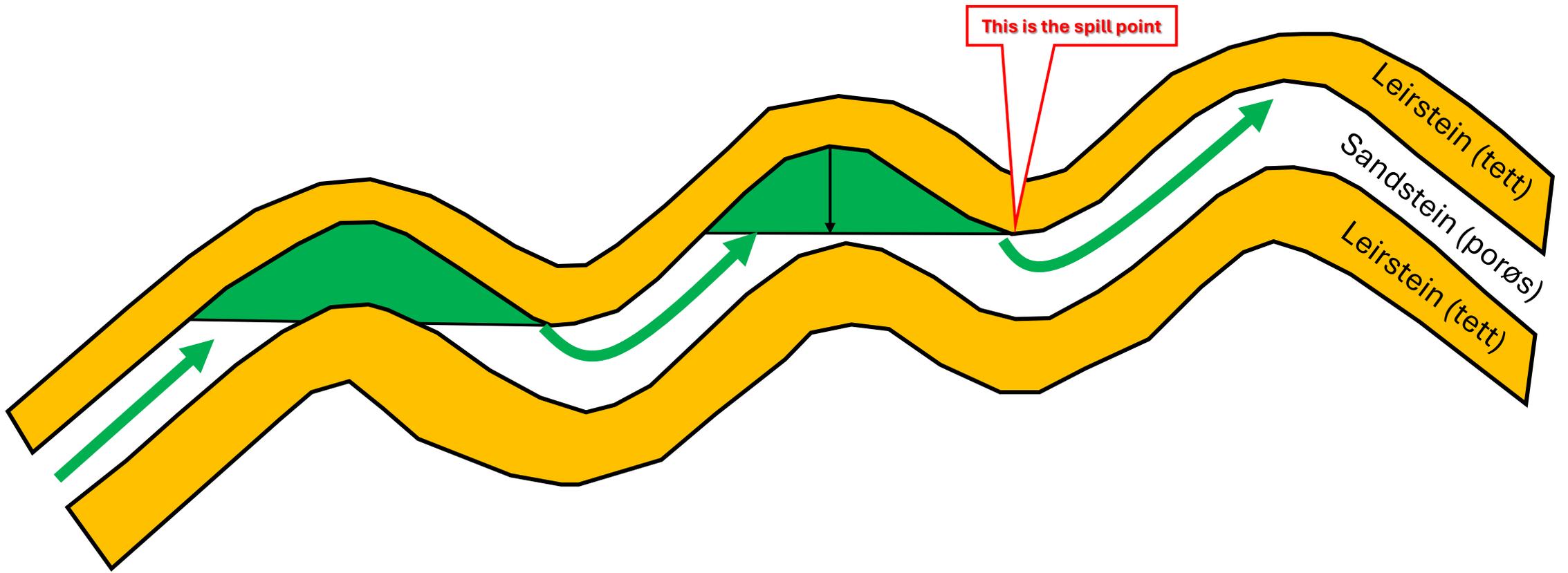
Opp til dette punktet kan en felle fylles med olje eller gass









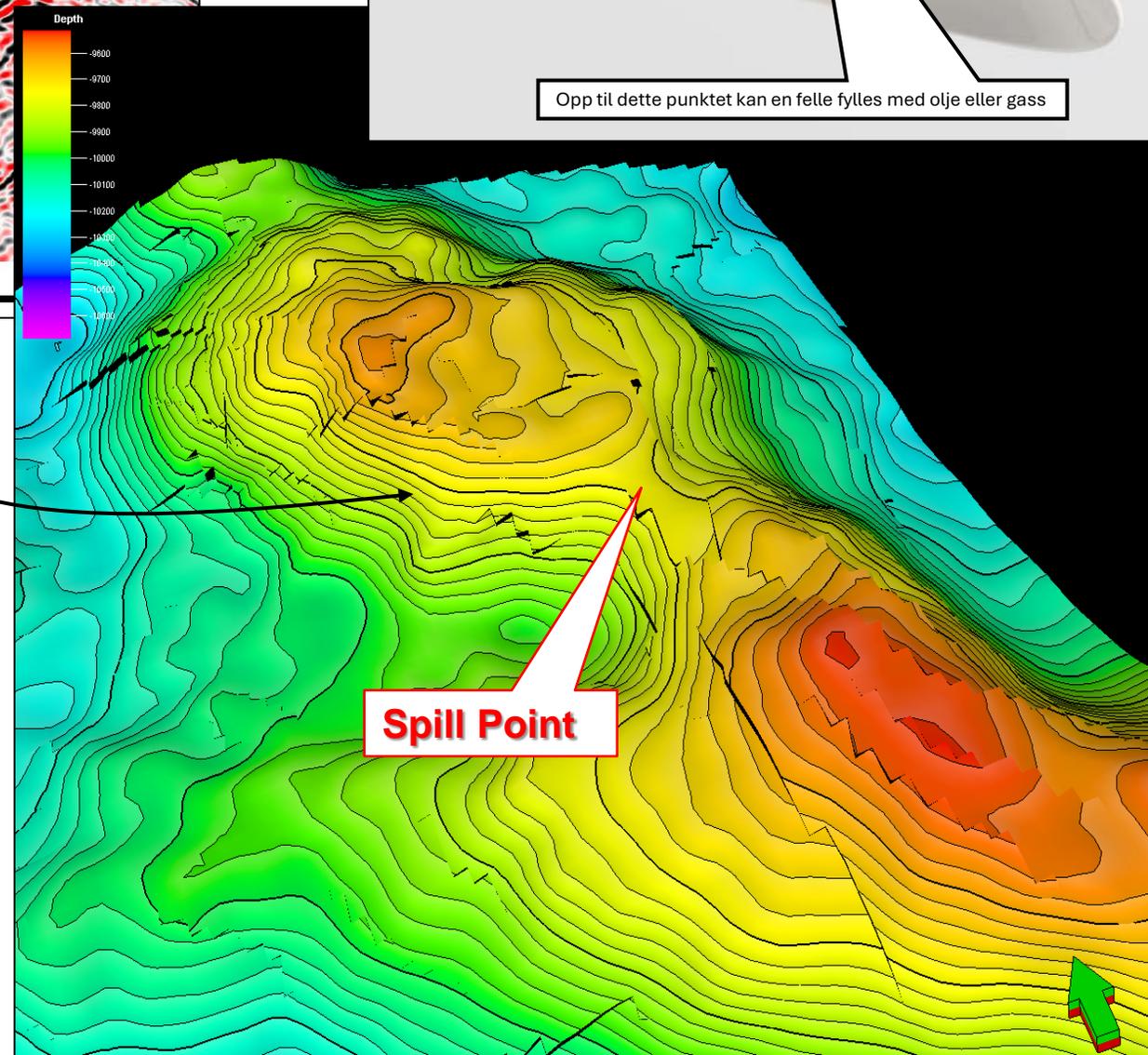
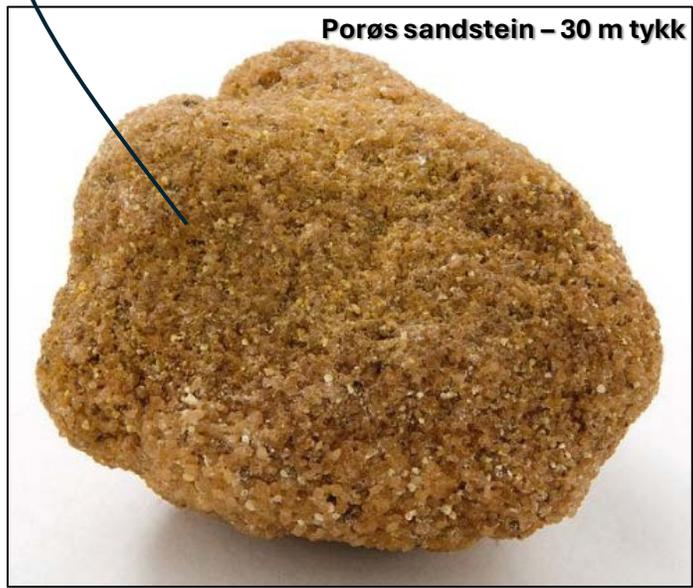
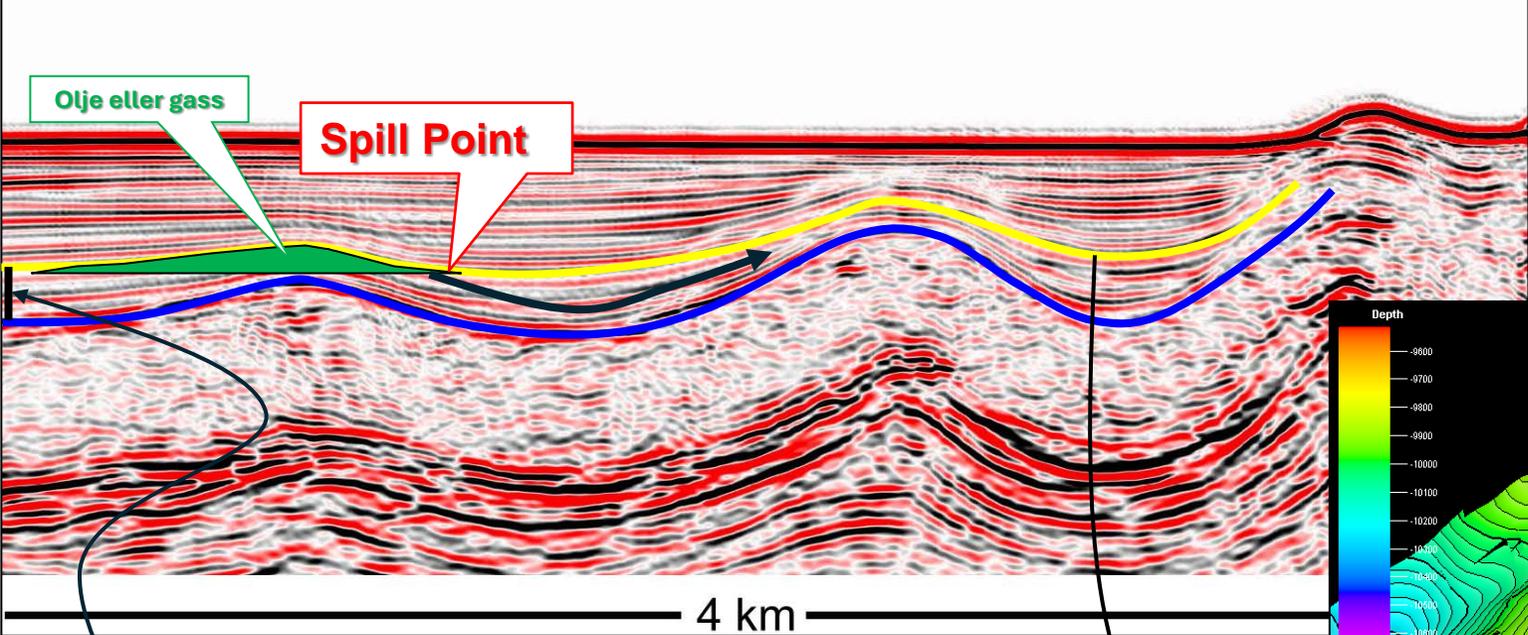


This is the spill point

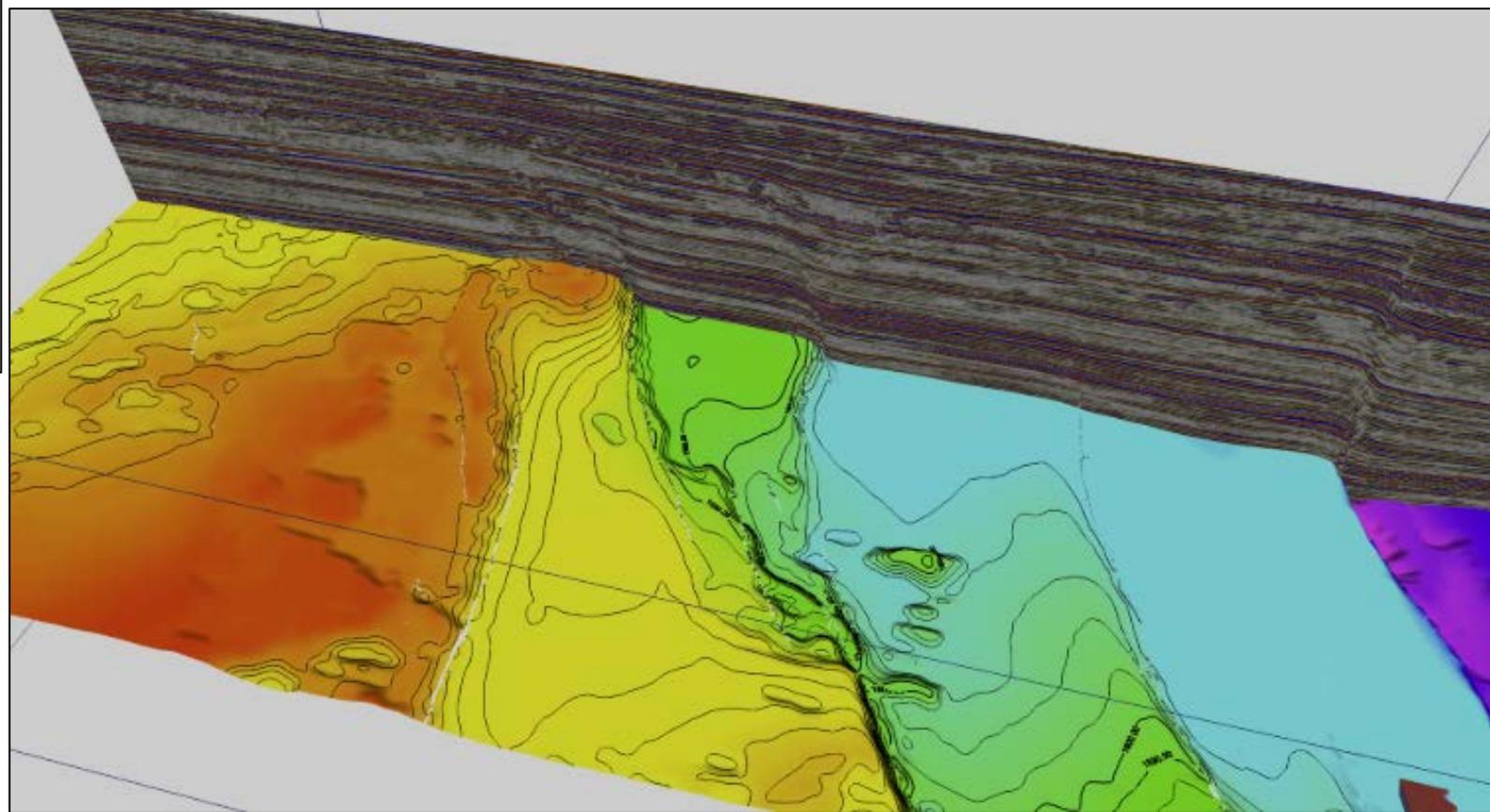
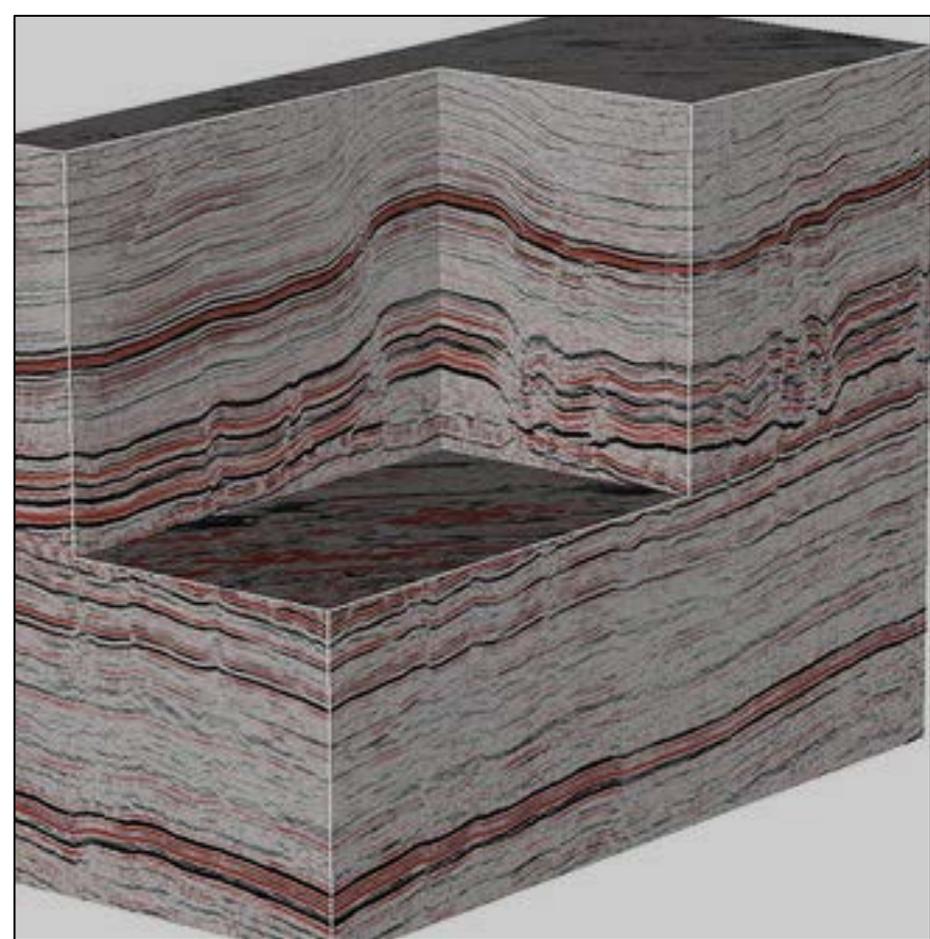
Leirstein (tett)

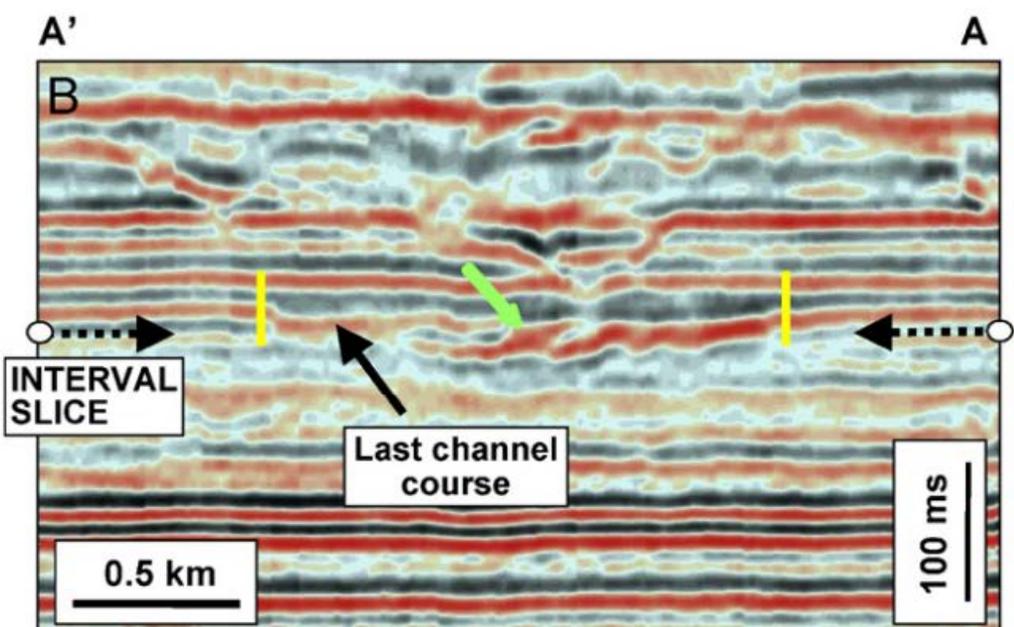
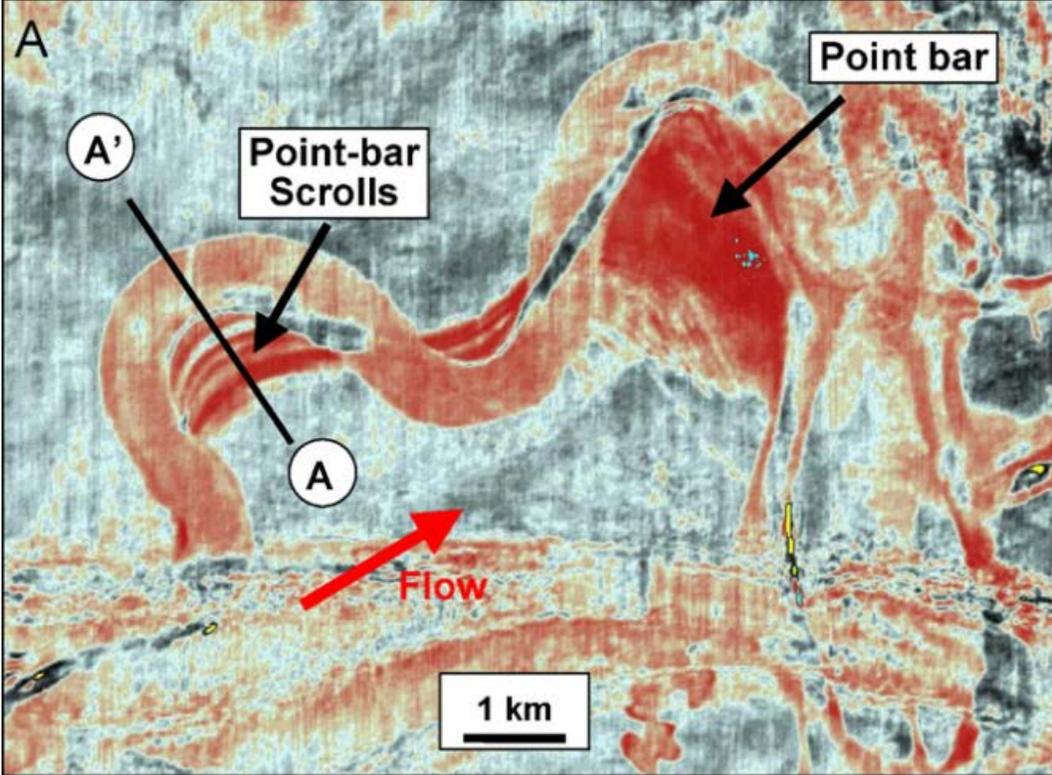
Sandstein (porøs)

Leirstein (tett)

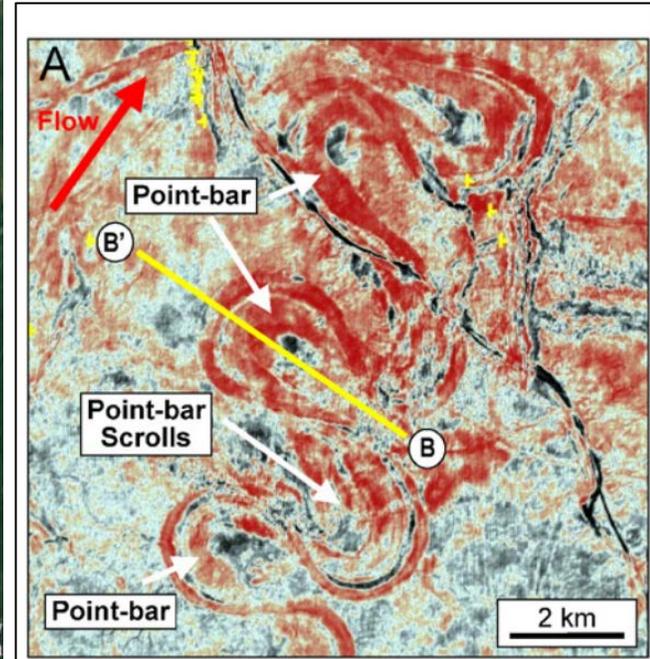
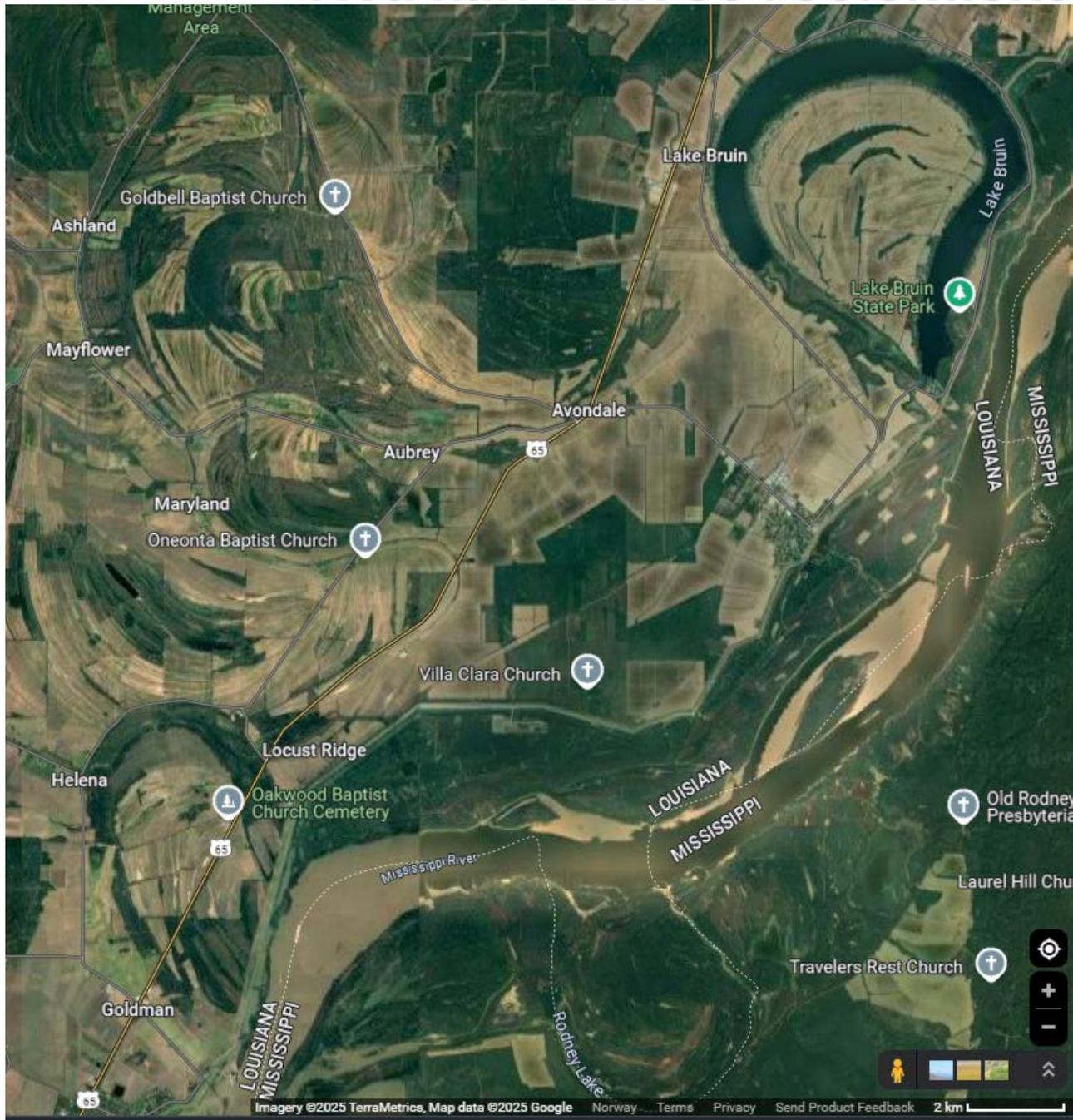


**Hva kan man se i seismiske data?**





# Hva kan man se i seismiske data?

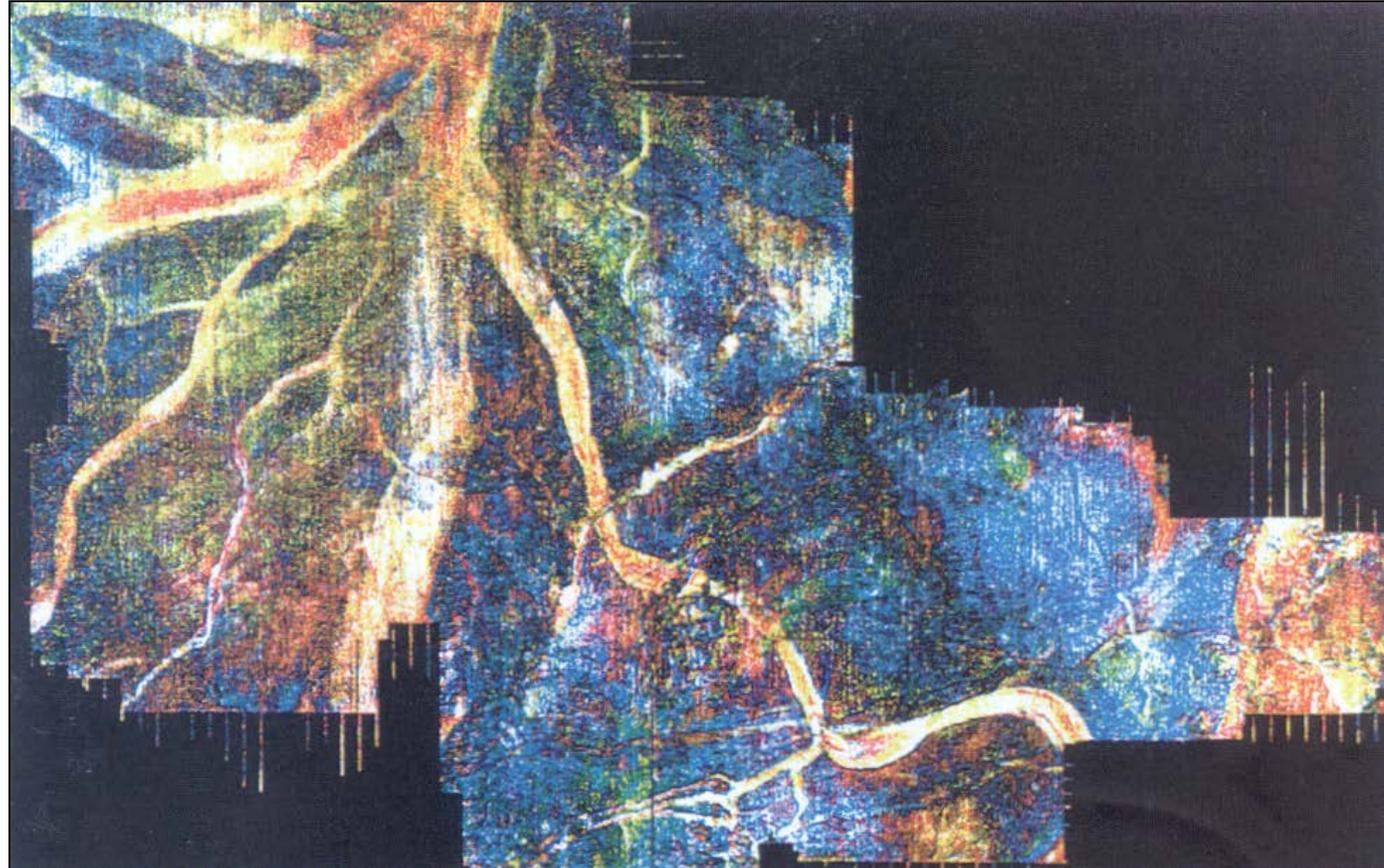


# Kan man se et delta i seismiske data?

Today's Mississippi Delta



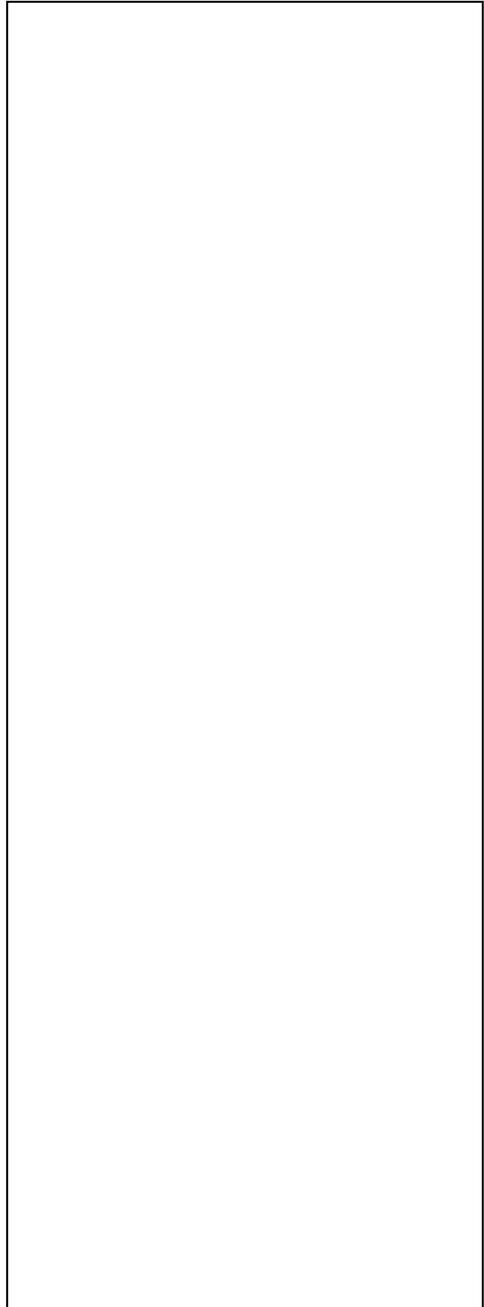
A horizontal section through 3D seismic data shows a delta that is many millions of years old



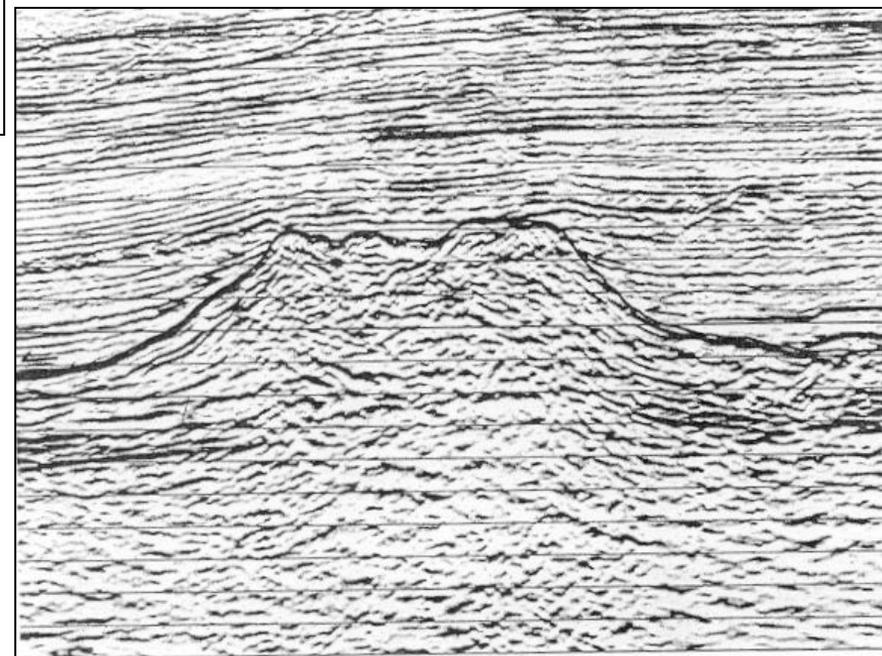
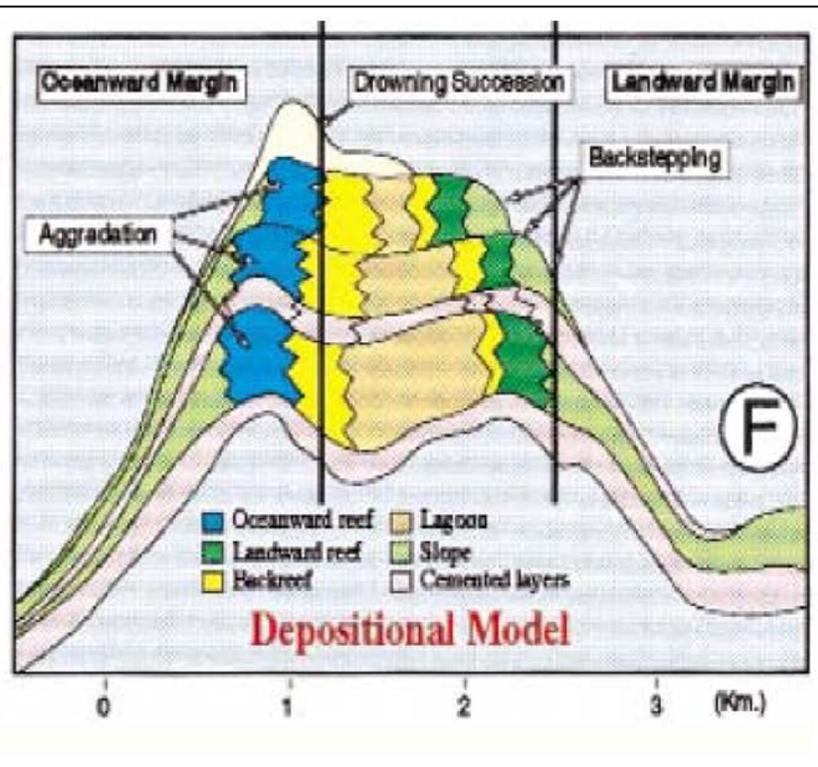
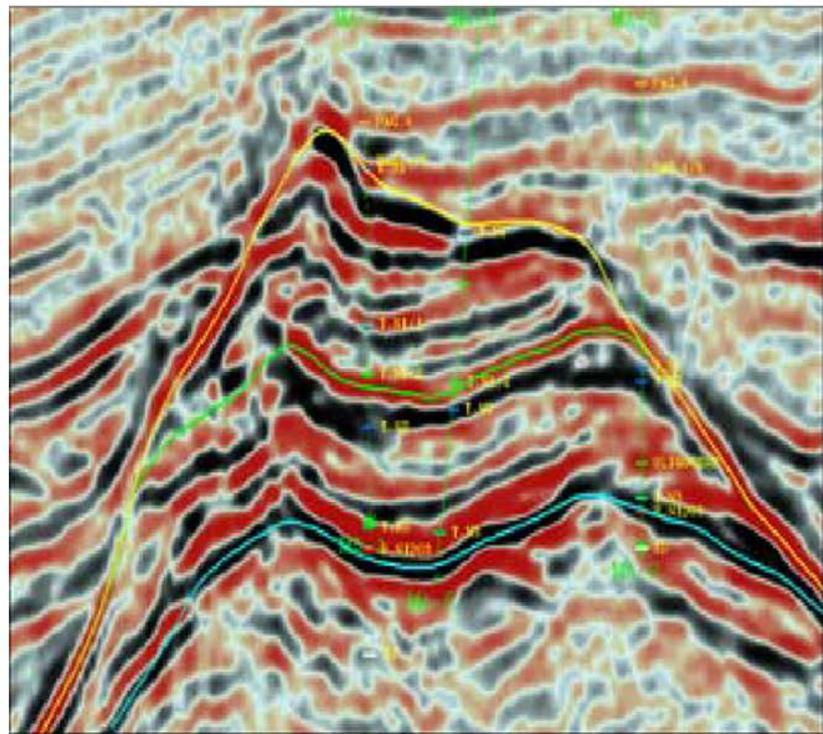
# Kan man se et rev i seismiske data?



Lime sand



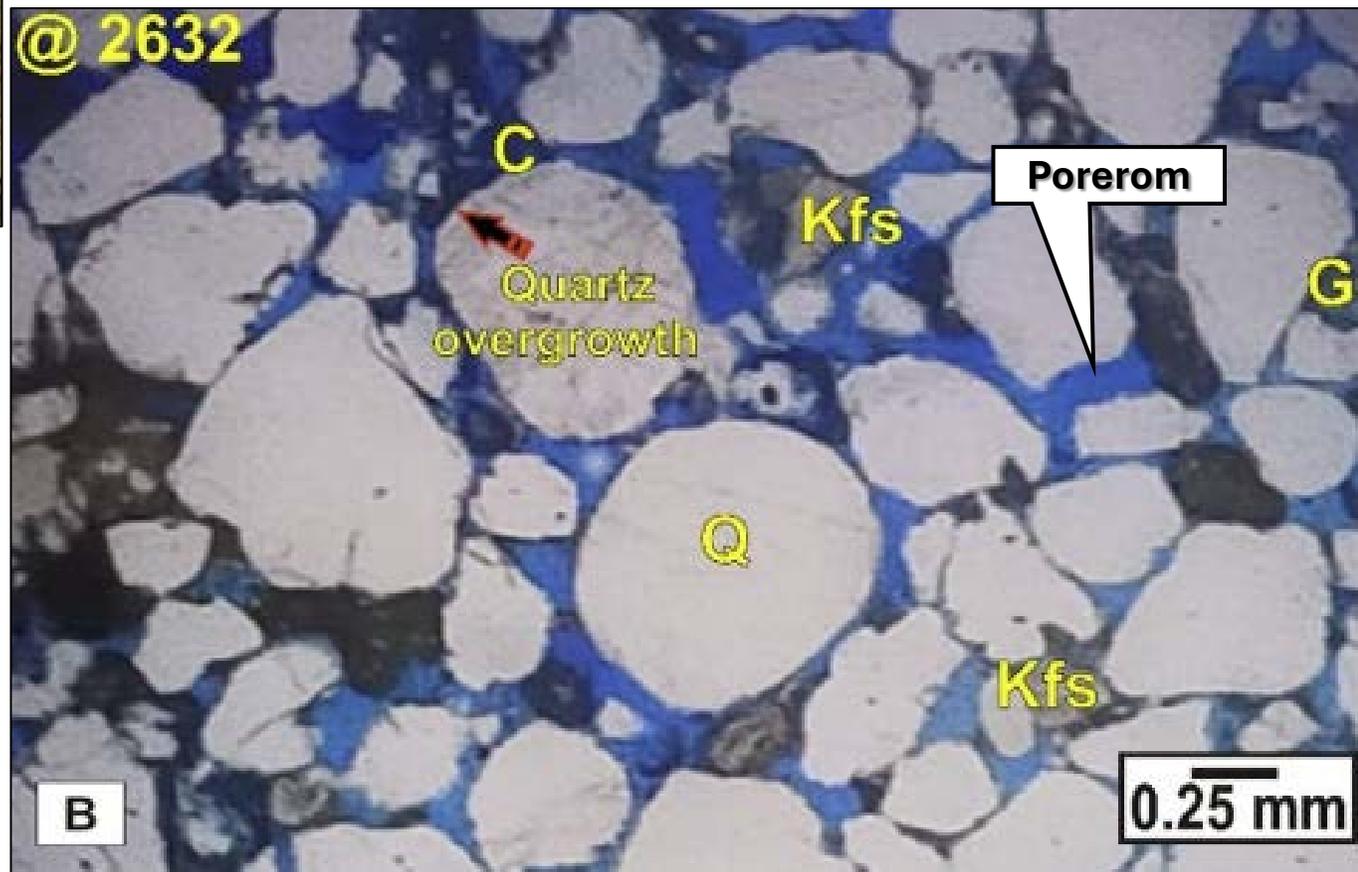
# Kan man se et rev i seismiske data?

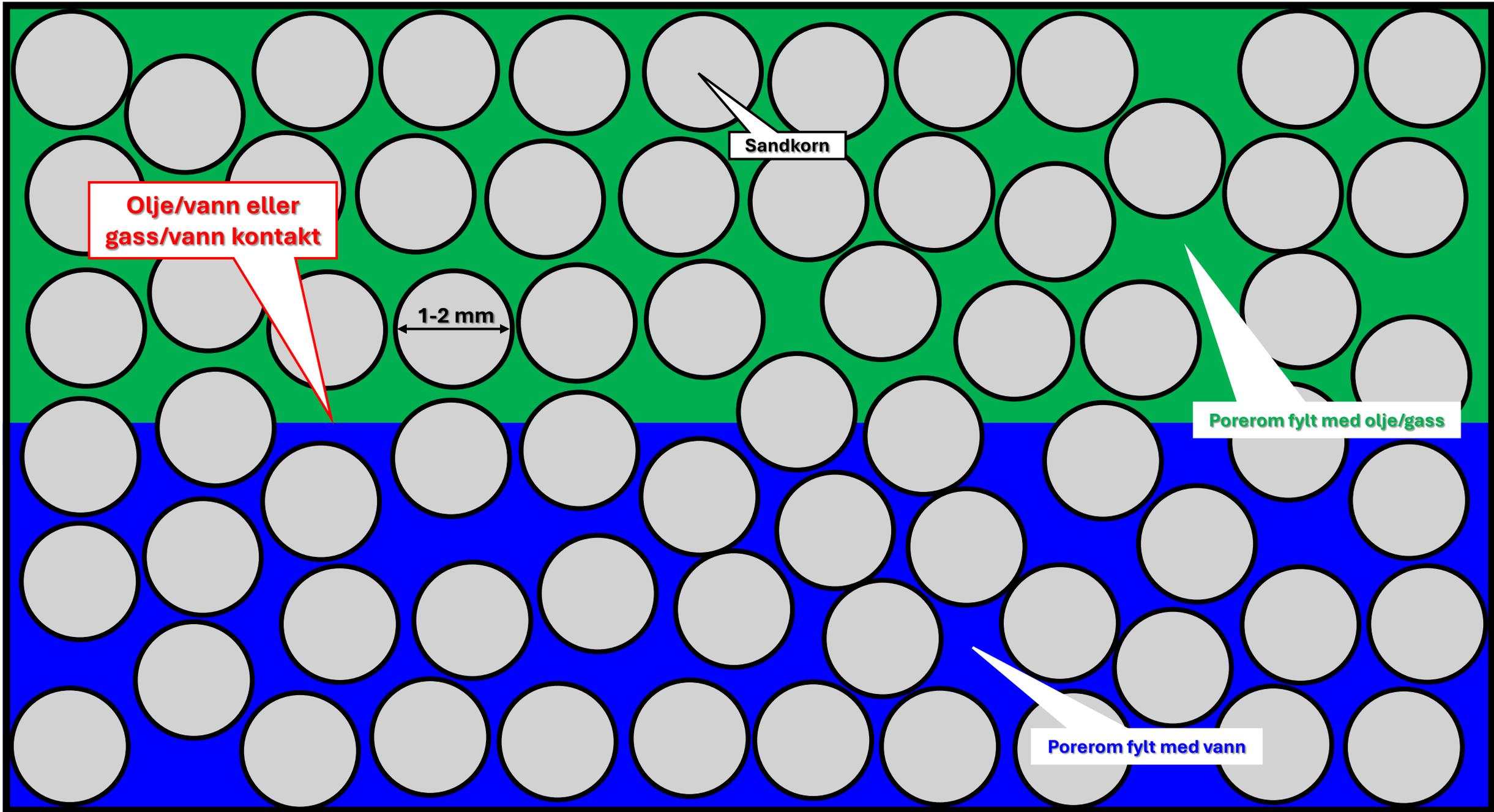


**Kan man se olje eller gass?**

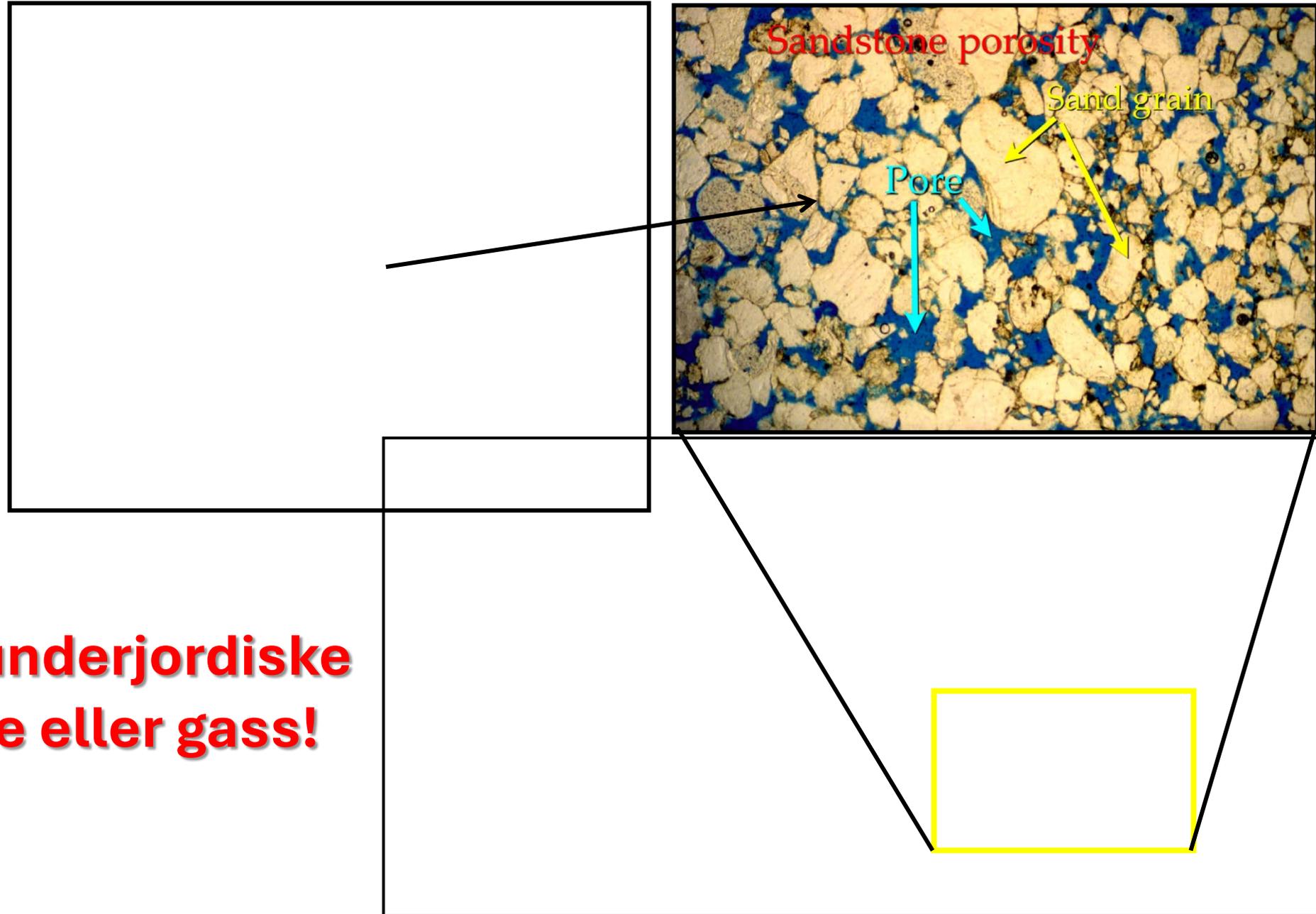


High dense	Medium dense	Low dense
Non - porous Non - permeable	Porous but Non - permeable	Porous and permeable

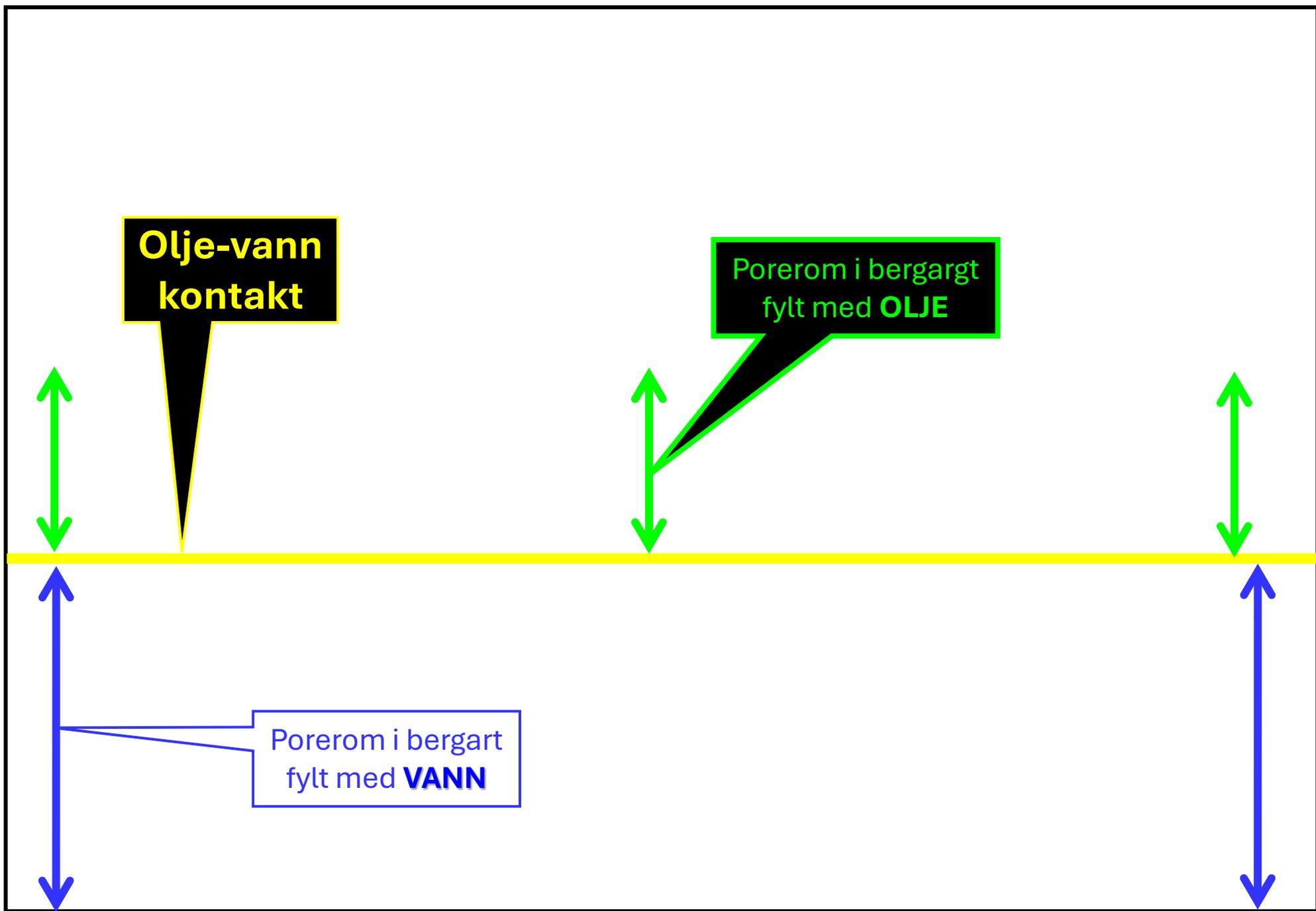


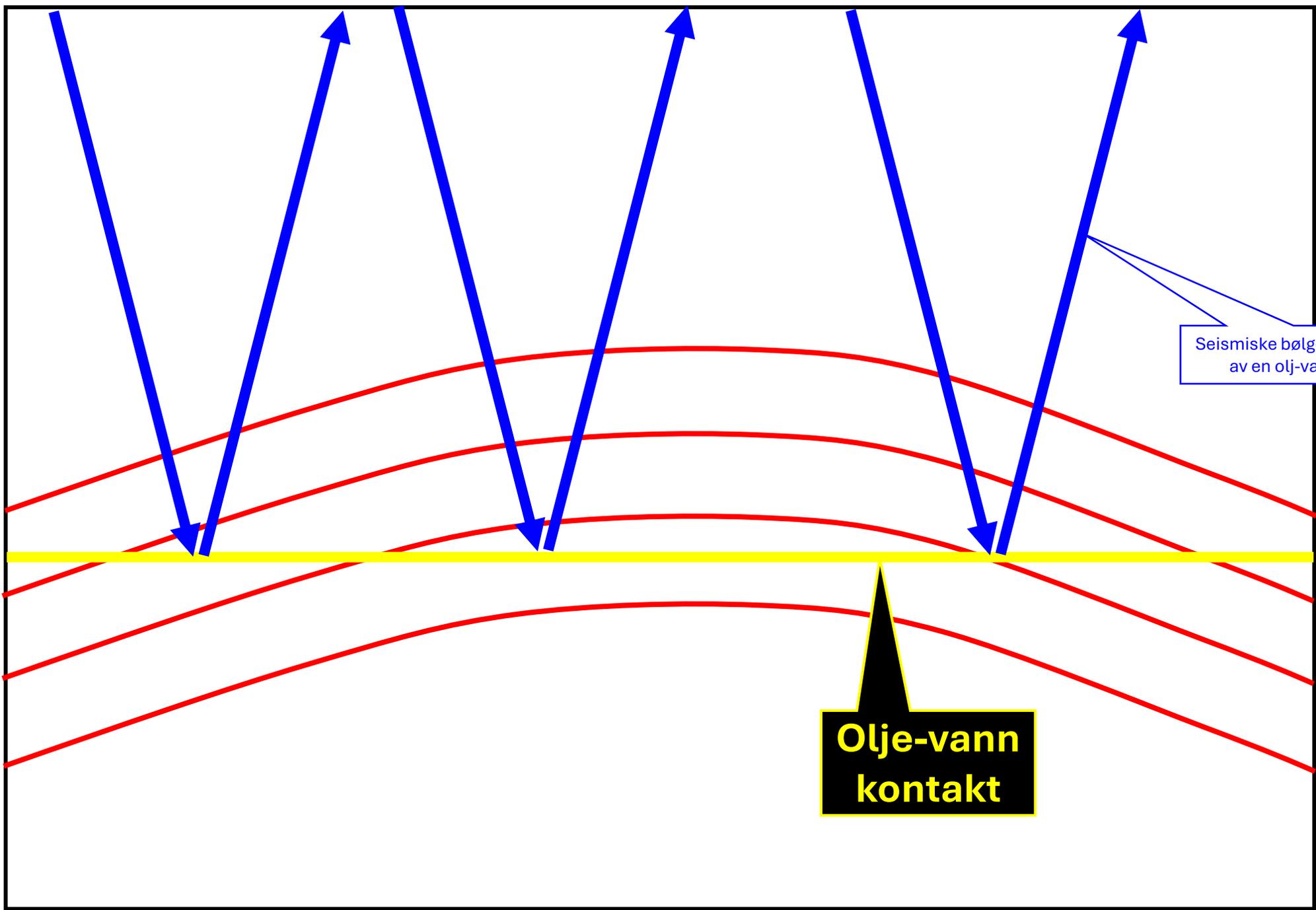


# Olje eller gass forekommer i små porerom



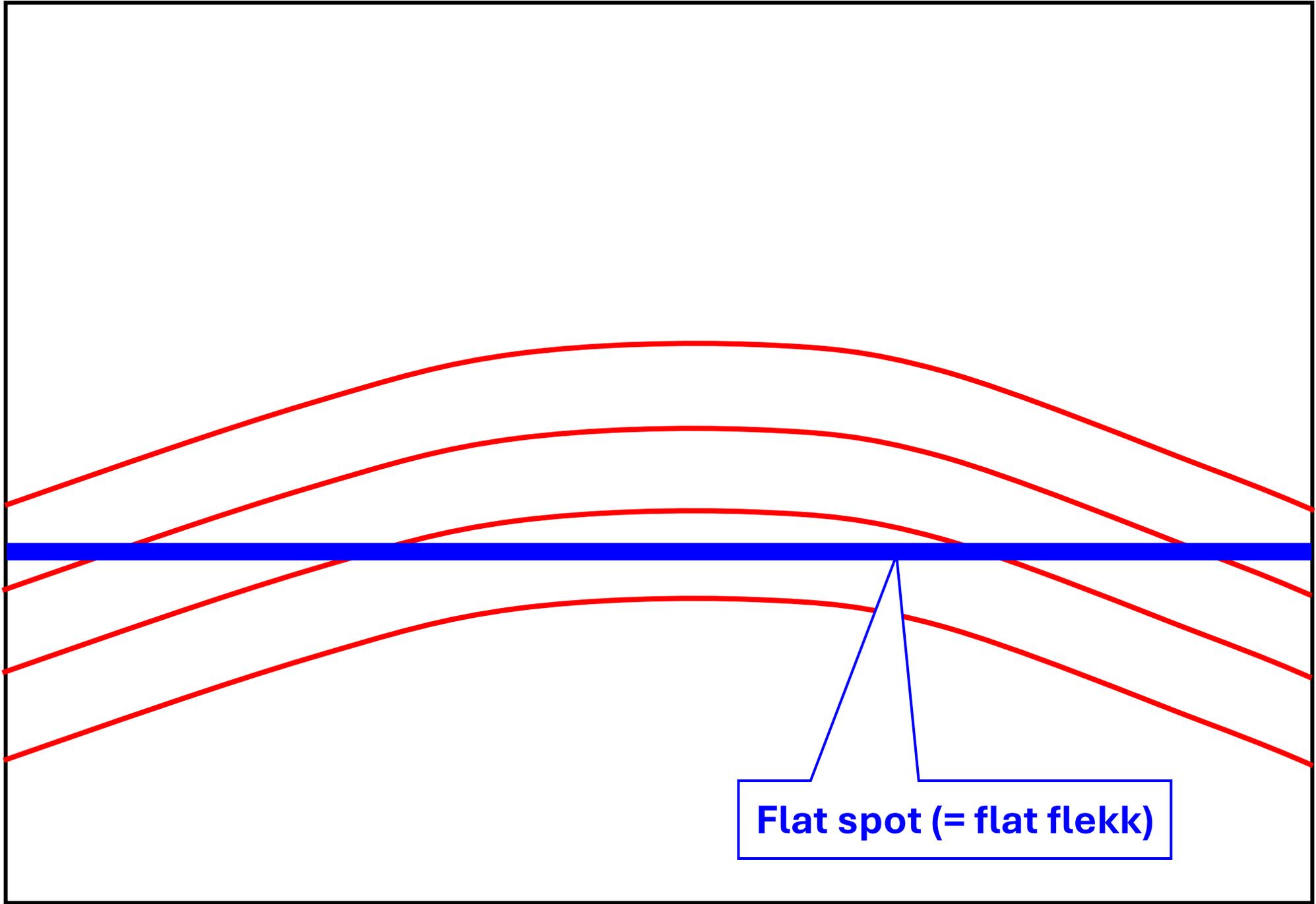
**Det finnes ikke underjordiske innsjøer med olje eller gass!**





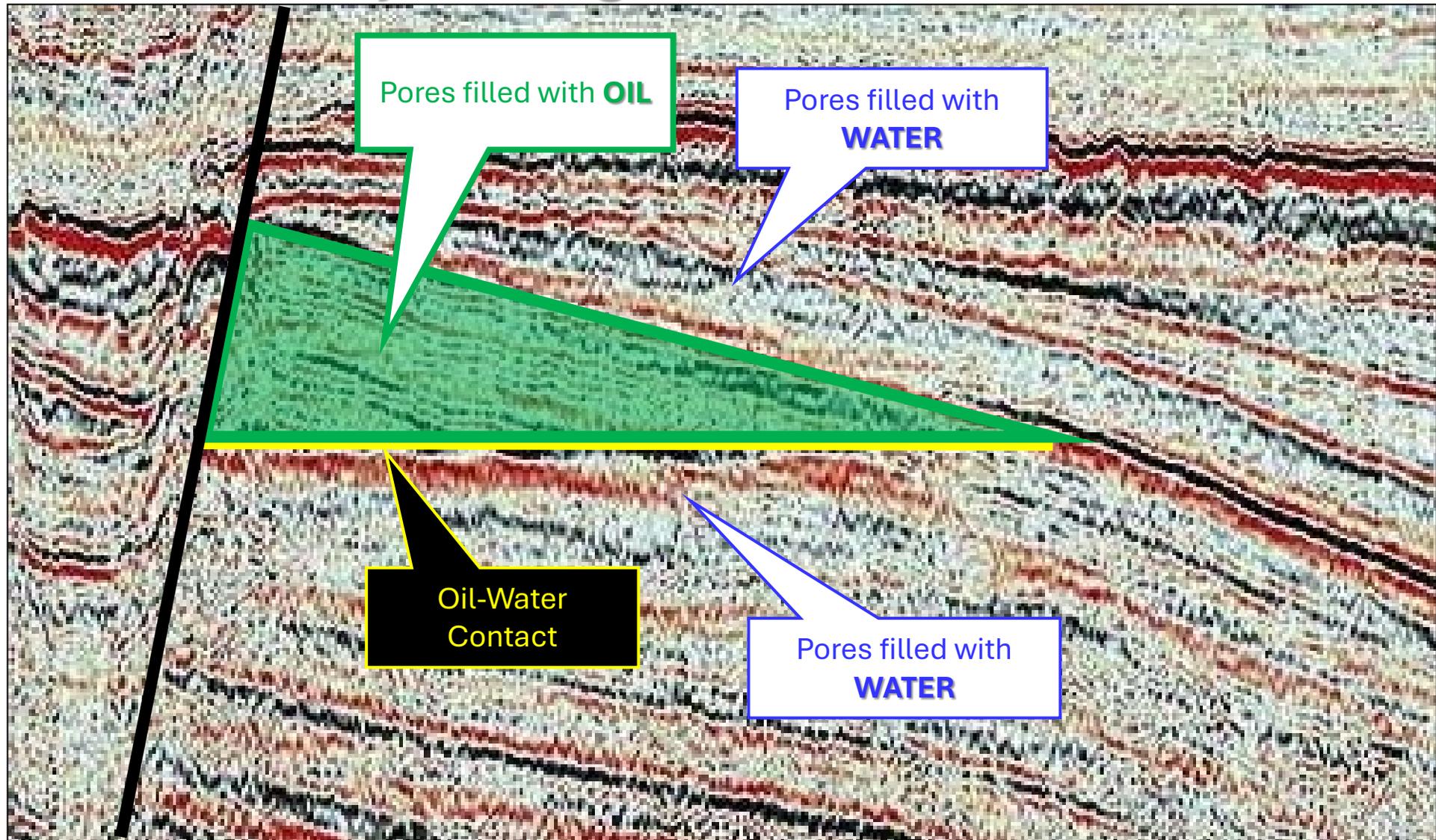
Seismiske bølger blir reflektert av en olje-vann kontakt

**Olje-vann kontakt**



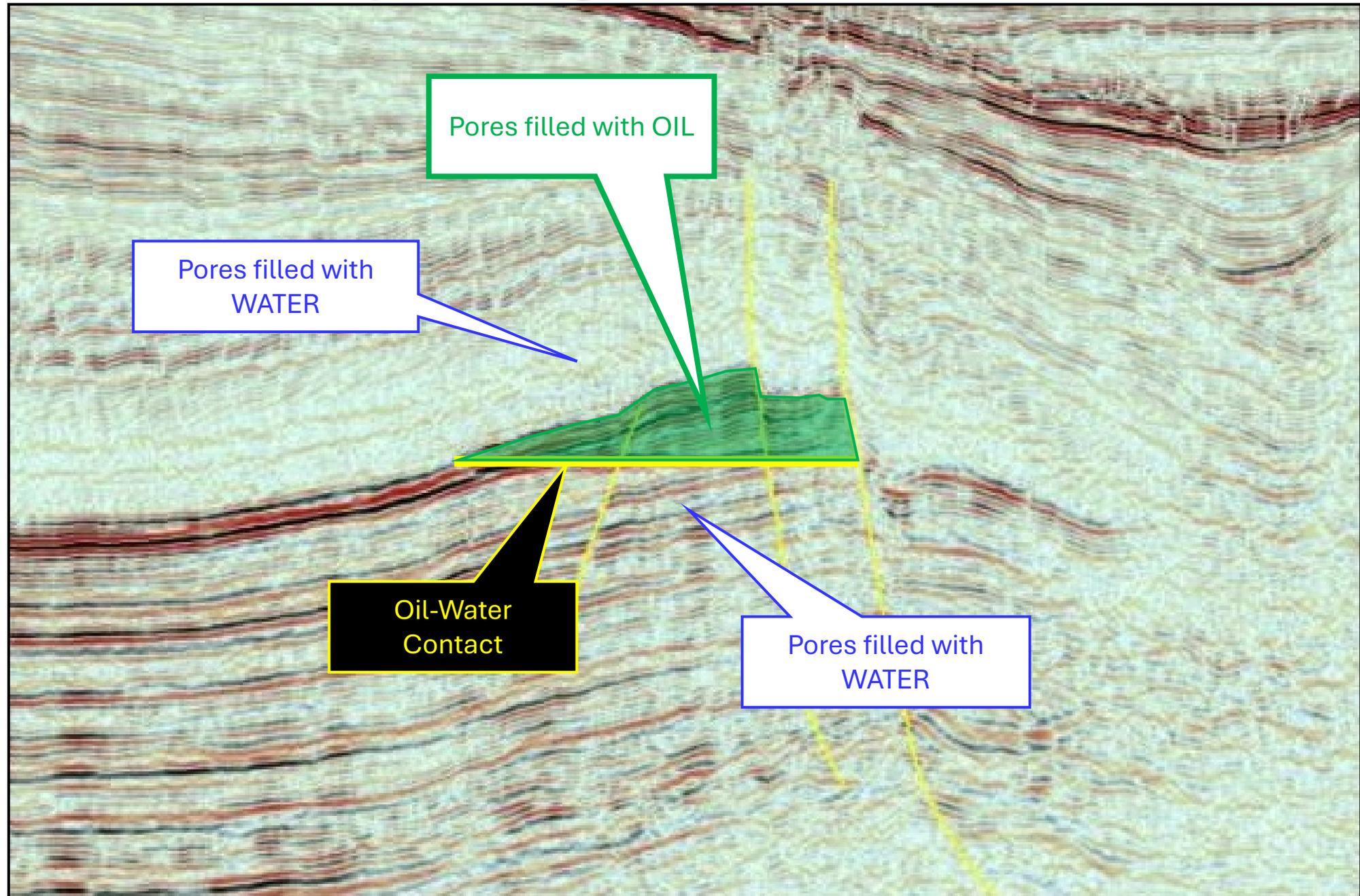
**Flat spot (= flat flekk)**

# Hvor er oljen eller gass? Kan vi se en flatflekk?

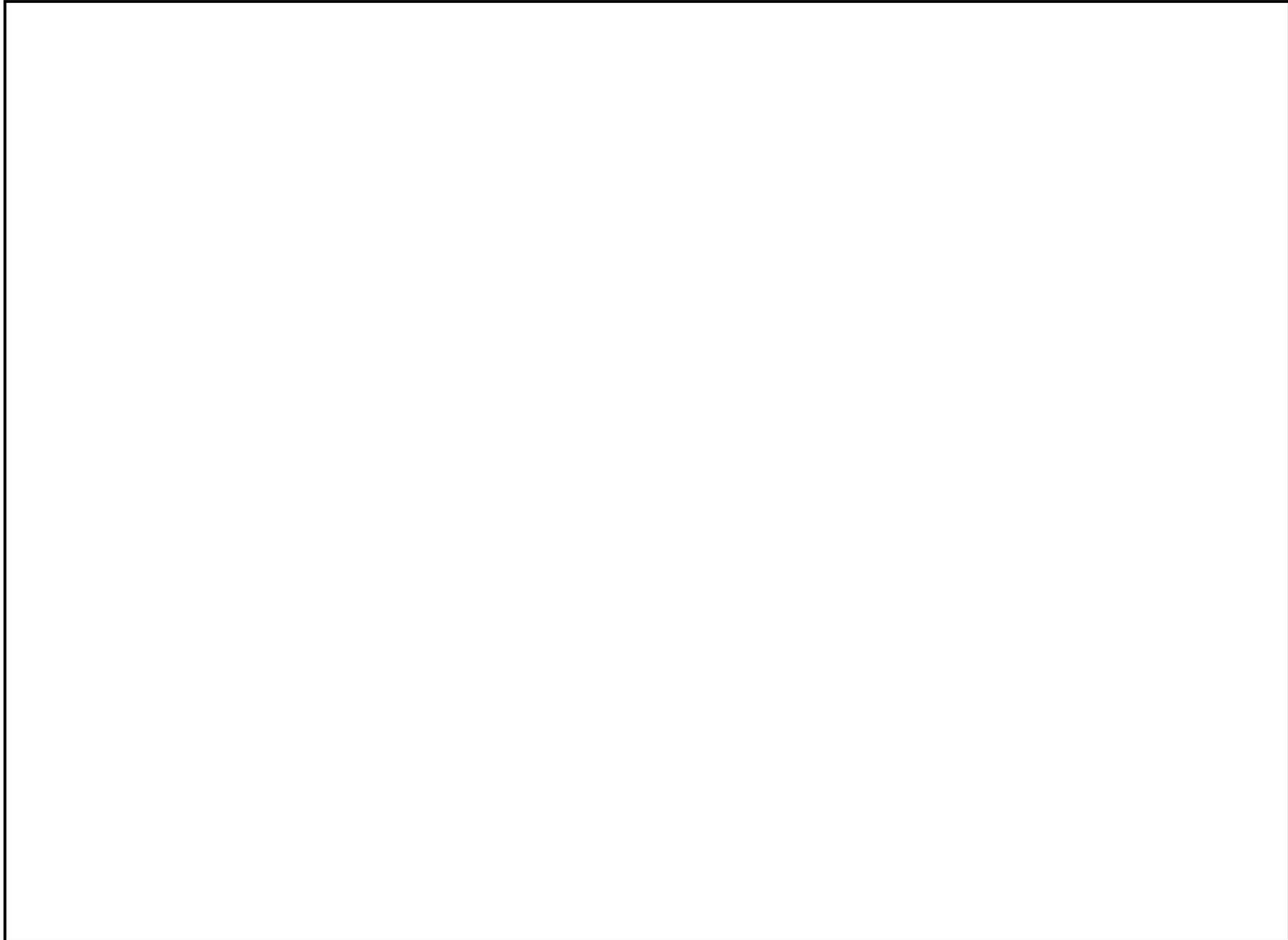


**Yes! The money is in the bank!!**

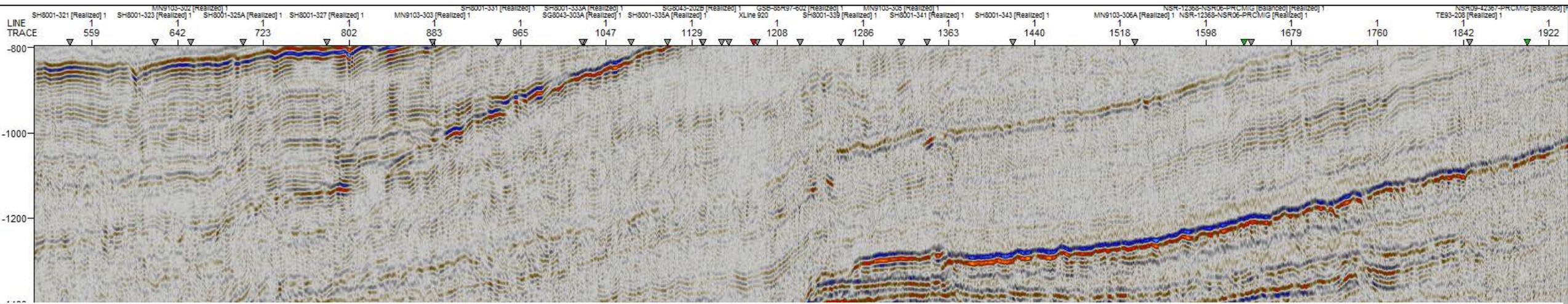
# Hvor er oljen eller gass? Kan vi se en flatflekk?



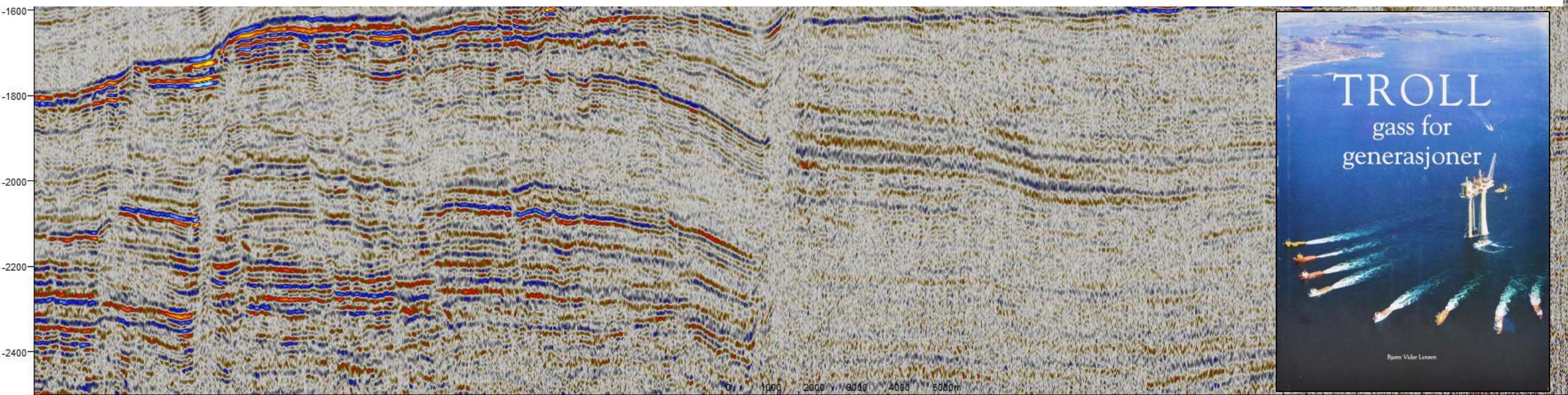
**Kan man se indikasjoner for hydrokarboner (olje/gass)?**



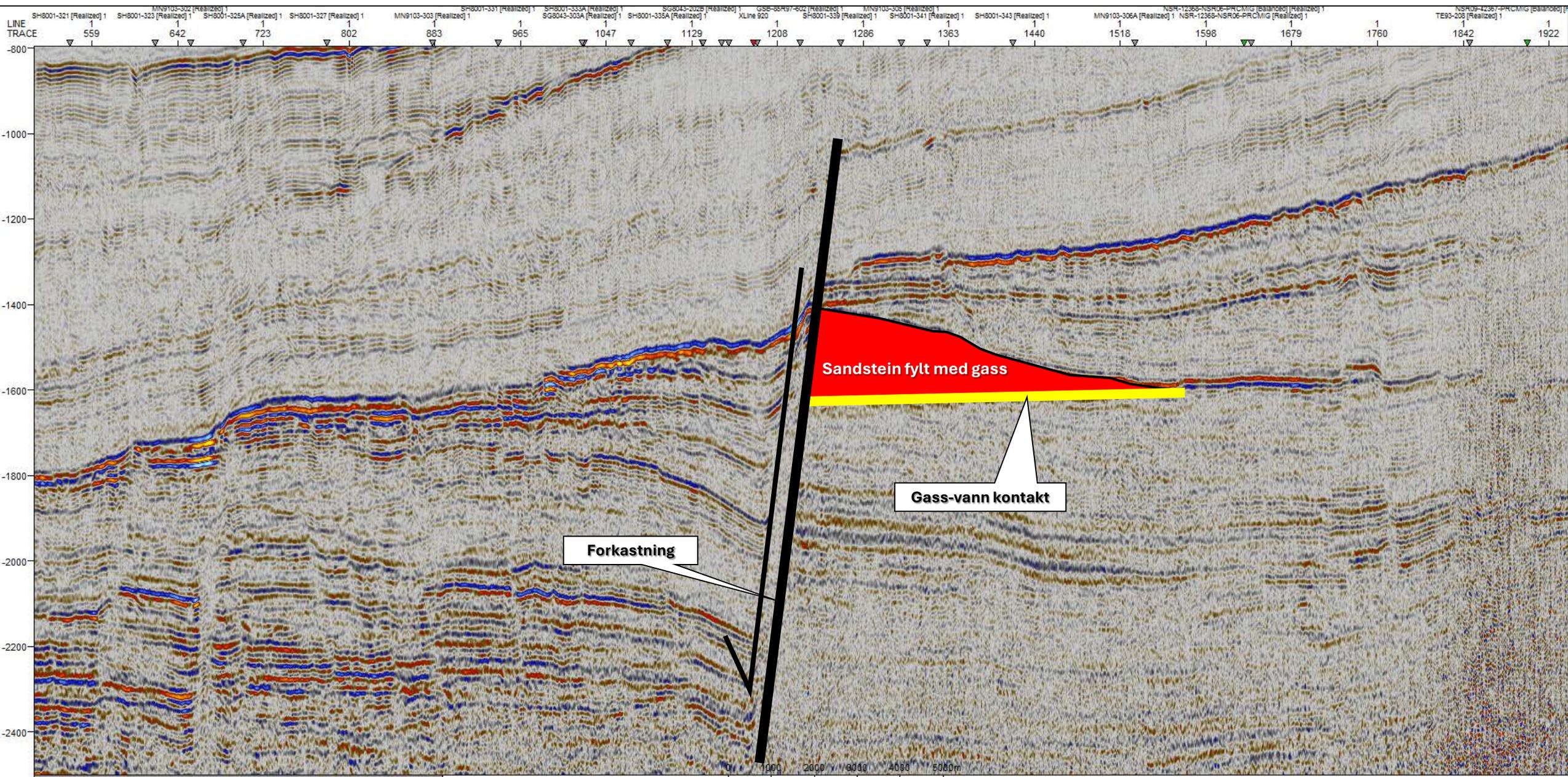
# Hvor er oljen eller gass? Kan vi se en flatflekk?



**Congratulations! You just found the Giant Troll Gas Field!!**



# Hvor er oljen eller gass? Kan vi se en flatflekk?



**Hvor mye olje produserte hele verden i 2024?**

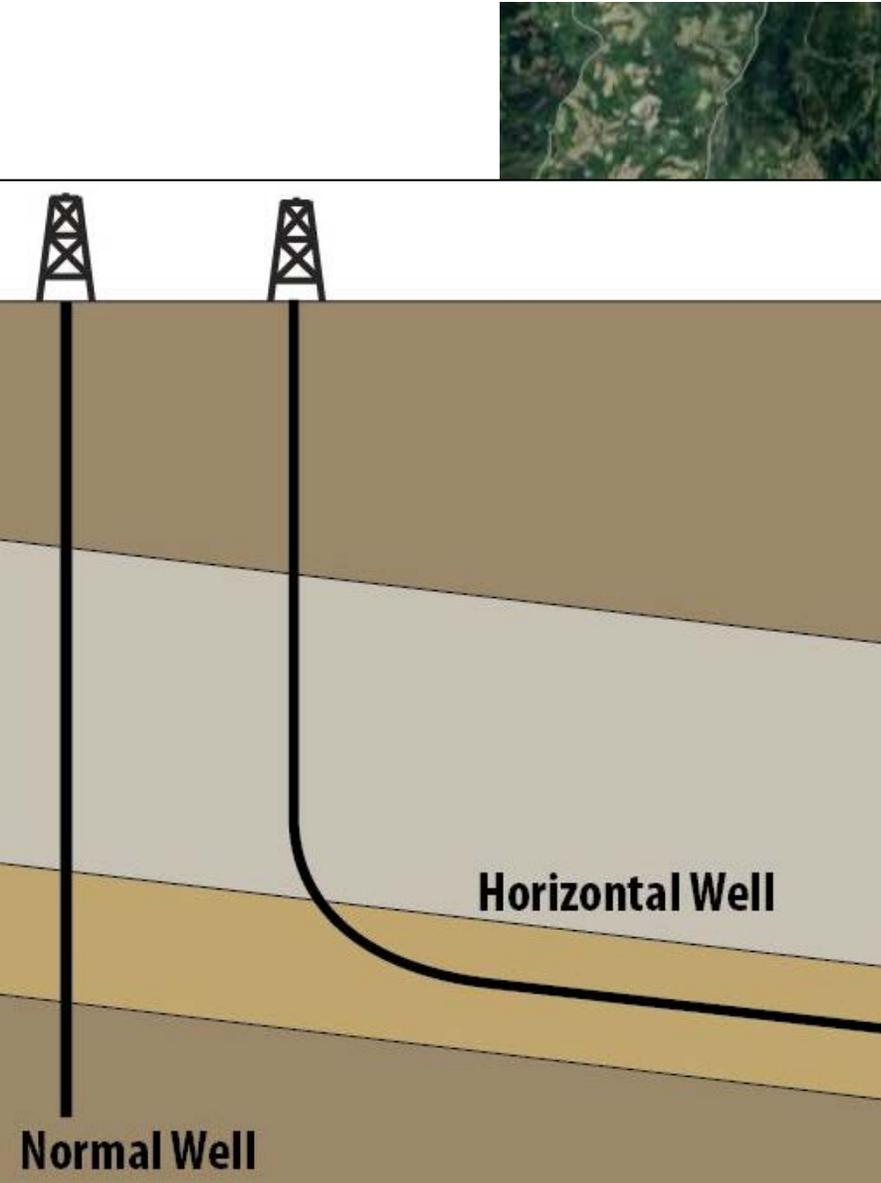
**2024 produserte hele verden:  
103.53 million bpd (barrel per day) = 16 459 954 m<sup>3</sup> per dag!!**



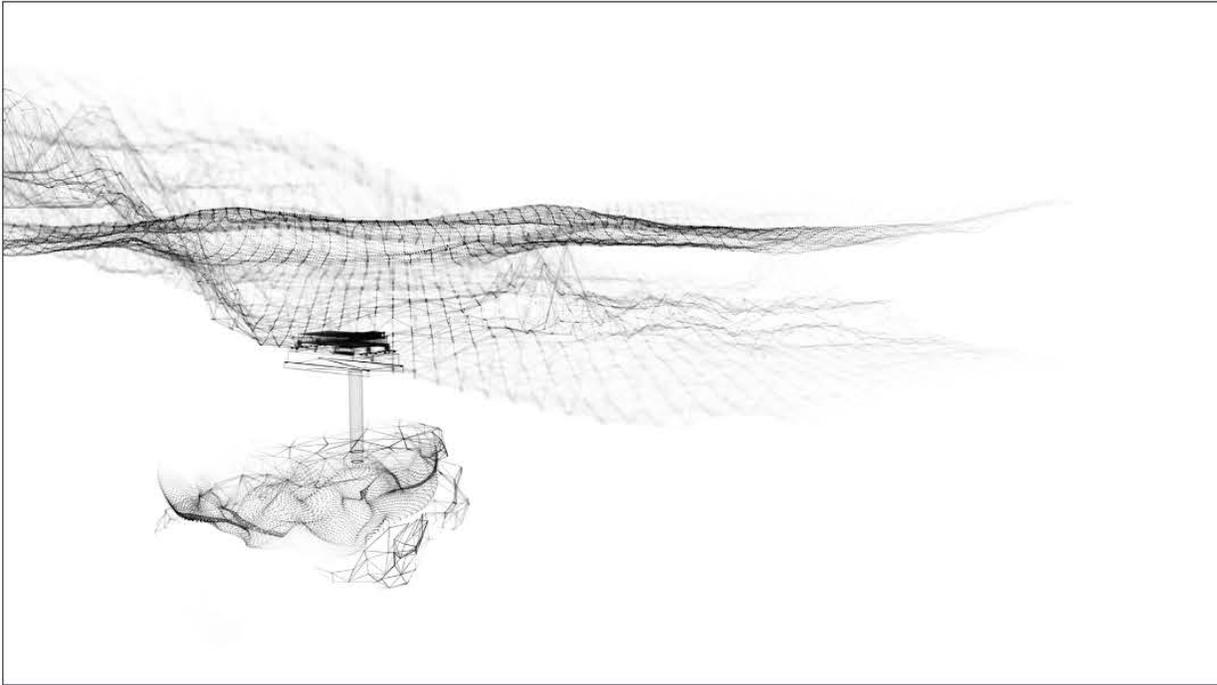
**Verdens lengste horisontal brønn**

**The longest horizontal well ever drilled: 15 km!!**

**Sakhalin-1, drilled by Rosneft (Russian oil company)**



Hvordan får man en borelisens?



## Revised dataset can facilitate CO<sub>2</sub> storage planning

The Norwegian Offshore Directorate has reviewed around 800 wells and revised the top and bottom for the Utsira Group and the Skade Formation, to ensure consistency. [Click here and read more.](#)



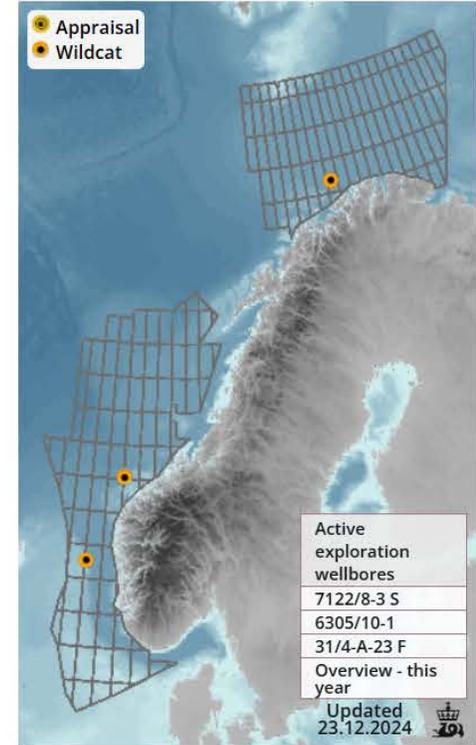
### Dry wells in the North Sea (35/10-14 S and A)

23/12/2024 Equinor and its partners have drilled two dry wells ("Kvernbit/Mimung") in the North Sea.

### Drilling permit for wellbore 7/1-3

23/12/2024 The Norwegian Offshore Directorate has granted Vår Energi ASA drilling permit for wellbore 7/1-3 in production licence 1090, cf. Section 13 of the Resource Management Regulations.

[More news](#)







- 1151
- 1152
- 1153
- 1154
- 1155
- 1155 B
- 1156
- 1157
- 1158
- 1159
- 1160
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- 1168**
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- 1174 S
- 1175
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- 1177
- 1178
- 1179
- 1180
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- 1182 S
- 1183 S
- 1184 S

## 1168

HIDE DETAILS Export: PDF

### — General information

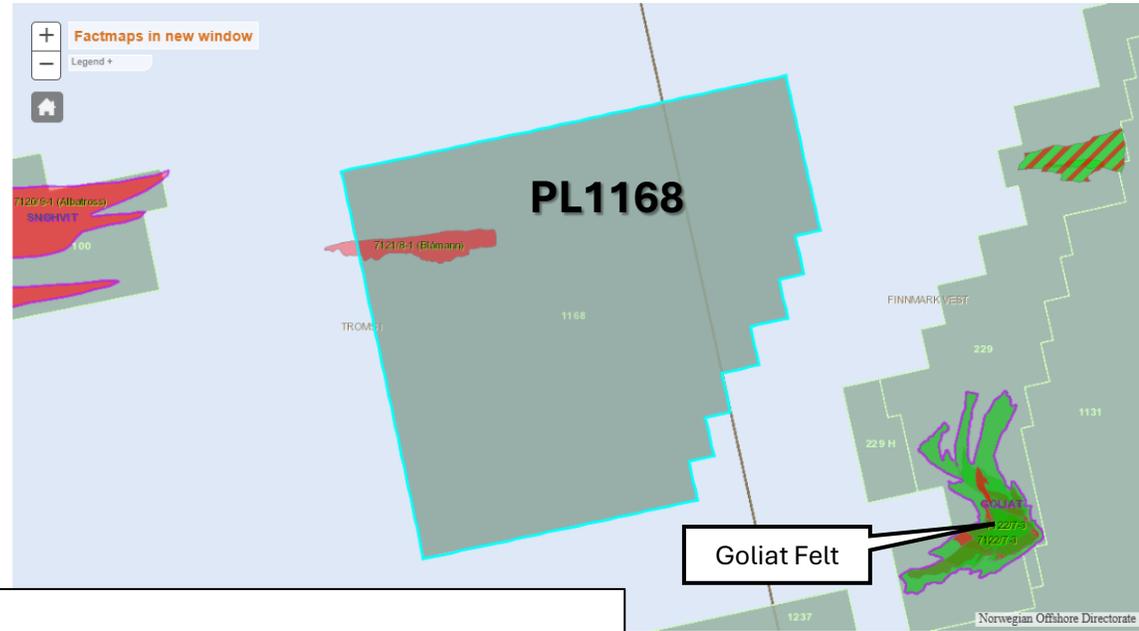
Attribute	Value
Production licence ⓘ	1168
NPDID production licence ⓘ	38723932
Factmaps in new window	<a href="#">link to map</a>
Status ⓘ	ACTIVE
Main area ⓘ	Barents sea
Licensing activity ⓘ	TFO2021
Date granted ⓘ	11.03.2022
Date valid to ⓘ	11.03.2030
Stratigraphical ⓘ	NO
Original area [km2] ⓘ	343
Current area [km2] ⓘ	343

### — Phases

Date phase valid from	Date phase valid to	Phase
11.03.2022	11.03.2028	INITIAL
12.03.2028	11.03.2030	INITIAL EXTENDED

### — Licensees — current

Date valid from	Company longname	Interest [%]
11.03.2022	<a href="#">Vår Energi ASA</a>	50.000000
-	<a href="#">Concedo AS</a>	50.000000



### — Work program (initial phase)

Work obligation	Decision	Task status	Expiry date	Wellbore if drilled
Study of geology and geophysics		In process		
	Decision to drill	In process	11.03.2025	
Drill exploration well		In process		
	(BoK) Decision to concretize	In process	11.03.2027	
Conceptual studies		In process		
	(BoV) Decision to continue	In process	11.03.2029	
(PDO) Prepare plan for development		In process		
	(PDO) Decision to submit plan for development	In process	11.03.2030	
	Decision to enter extension period	In process	11.03.2030	

**TUSEN TAKK!!**