

EXERCISES

CORING

EXERCISE 1



- (a) What is the closest physical representation of the borehole and formation called?
- (b) What is a core?
- (c) Differentiate coring from core plugging.
- (d) List at least three things core samples provide

EXERCISE 2



- (a) How many type of cores is there based on coring directions?
- (b) List them.
- (c) In core studies, what is referred to as 'catching'?
- (d) Sidewall core is also known as _____.
- (e) Mention and explain the two types of sidewall coring.

EXERCISE 3



- (a) Which of the coring type using wireline is a faster and less expensive way to take samples?**
- (b) What is the aim of a good preparation for core job?**
- (c) What are the factors to be considered when preparing for a coring job?**
- (d) Mention at least two challenges identified during coring jobs.**



Extracted from chapter on Coring, in the book Exploration and Production Geoscience by Dr. Livinus Nosike



EXERCISE 4



- (a) What is used to cover the two ends of the core?
- (b) What is a coring point?
- (c) Mention at least three important parts in most coring tools.
- (d) What is the tool used for core catching called?
- (e) Mention and explain the two types of catchers mentioned in this study.

EXERCISE 5



- (a) Briefly discuss the coring process**

- (b) What is used to clean core inner barrel while circulating?**



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EXERCISE 6



- (a) Mention two major risks in coring.
- (b) What does it mean when a kick occurs during coring?
- (c) Inner Tubing Separation (ITS) involves _____ and _____ .
- (d) What are the objectives of the Inner Tubing Separation (ITS)?
- (e) What are the basic core processing?



EXERCISE 7



- (a) What are some of the uses of core plugs?
- (b) What is core logging?
- (c) What is the aim of core logging and imaging?



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EXERCISE 8



- (a) Mention at least two importance of core analysis
- (b) Briefly discuss the two levels of core analyses in this study
- (c) Mention at least three uses of cores



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EXERCISE 9



- (a) What are the properties that may be better understood from field analogue?**

- (b) What tools are used in the field to core hard units and soft units?**

- (c) Briefly discuss laboratory preparation of samples for permeability measurement.**



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EXERCISE 10



- (a) What is well post-mortem?
- (b) Evaluation methods from a well, for subsurface condition, of which results may be compared with prediction before drilling, include what?
- (c) Depositional environment from core range from _____ to _____ .
- (d) What area some of the questions to be answered regarding to well objectives in core logging and interpretation?

