

**JFE LEARNING MODULE**

**DIMENSION BID**

**TASKSHEET 04 - Basic Petroleum Geology**

**OBJECTIVES**

Upon completion this task you should be able to:

**THEORY**

1	Explain on the life cycle of oil & gas well	✓
2	Understand the origins of petroleum and describe the elements of a petroleum system.	✓
3	Explain how an oil or gas reservoir is formed.	✓
4	Describe the rock cycle and identify the main rock types and its formation.	✓
5	Explain what is meant by a reservoir? How does a client measure the size of this reservoir	✓
6	Explain what can oil company do to extend the life of a reservoir and extract more hydrocarbons	✓
7	Describe the reservoir rock properties in terms of its porosity and permeability.	✓
8	List down types of petroleum traps.	✓
9	Explain Dimension Bid role as a service company including both Evaluation service and production services.	✓
10	Describe and list down common logging applications especially in our operation.	✓
11	Explain why logging is very important to the Oil & Gas Industry	✓
12	List out Dimension Bid major competitors within this industry	✓

Grade: 100%

Supervisor Signature: [Signature]

**PRACTICAL**

1	Demonstrate a good understanding on the significant role of CHS in Oil & Gas Industry.	✓
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Grade: 100%

Supervisor Signature: [Signature]

**COMMENTS BY SUPERVISOR**

Name:	MATHIAS RAUTH PARAG	Signature:	<u>[Signature]</u>	Date:	4 DEC 2023
Manager's Name:	FARIS MOHD FIRDAUS	Manager Signature:	<u>[Signature]</u>	Date:	05/12/23.