

# JFE LEARNING MODULE

**DIMENSION BID**

## TASKSHEET 06 - Basic Well Control

### OBJECTIVES

Upon completion this task you should be able to:

### THEORY

1	Describe the negative impact and effects of a well control incident.	
2	Describe what is the meaning of "Blow Out". What can cause it and what are the dangers.	
3	Define the term "well integrity management" and explain why this is important.	
4	Define the term hydrostatic pressure, formation pressure and fracture pressure, overbalance and under balance pressure.	
5	Discuss the differences between an open hole, cased hole and production wells with respect to well head pressure.	
6	Discuss the principle of the Mud systems used when drilling wells. Describe what is meant by overbalanced and under balanced and when these would occur.	COMPLETED DURING WELL CONTROL TRAINING ON 21- JUNE-2022
7	Define the term "barrier" and principle of barrier envelopes.	
8	Explain the principles of different barrier types.	
9	Define the terms "primary" and "secondary" barriers.	
10	Understand testing barriers concept: Inflow test, pressure test and why integrity testing is used.	
11	Explain the principles of the different well control methods.	
12	Describe how hydrates form and how to prevent them.	
13	Explain about Well Shut In and needs for operation.	
14	Define the management of operation regarding the well control.	

Grade:                     90%                    

Supervisor Signature:



MOHD ISMADY BIN ISMAIL  
Head of PEXS

### PRACTICAL

1	Perform calculation for Hydrostatic Pressure, Fracture Pressure, Formation Pressure.	EXERCISE COMPLETED
2	Perform calculation to determine underbalance and overbalance pressure of the well.	EXERCISE COMPLETED
3	Pass written assessment for Module 6. Total Marks = <u>  95  </u> %	Online test

Grade:                     95%                    

Supervisor Signature:



MOHD ISMADY BIN ISMAIL  
Head of PEXS

### COMMENTS BY SUPERVISOR

- Attended Well Control Training on 21-June-2022. Completed test with score of 95% and able to answer all questions during training.
- Basic knowledge from first trip to offshore.

<b>Name:</b>	MOHD ARZIZI SYAFFIQ BIN MOHD ARMI	<b>Signature:</b>		<b>Date:</b>	21/06/2022
<b>Manager's Name:</b>		<b>Manager Signature:</b>		<b>Date:</b>	