

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.	/			
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.	/			
<div style="display: flex; justify-content: space-between;"> Grade: <u>100%</u> Supervisor Signature: </div>					
PRACTICAL					
1	Perform calculation for Hydrostatic Pressure, Fracture Pressure, Formation Pressure.	/			
2	Perform calculation to determine underbalance and overbalance pressure of the well.	/			
3	Pass written assessment for Module 6. Total Marks = _____%	/			
<div style="display: flex; justify-content: space-between;"> Grade: <u>100%</u> Supervisor Signature: </div>					
COMMENTS BY SUPERVISOR					
Name:	<u>Farhan Amran</u>	Signature:		Date:	
Manager's Name:	<u>Faris M. Firdaus</u>	Manager Signature:		Date:	<u>04/12/27.</u>