

JFE LEARNING MODULE			DIMENSION BID
TASKSHEET 06 - Basic Well Control			
<b>OBJECTIVES</b>			
Upon completion this task you should be able to:			
<b>THEORY</b>			
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.	/	
Grade: <u>100 %</u>		Supervisor Signature:	<u>J</u>
<b>PRACTICAL</b>			
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 = _____ %	/	
Grade: <u>100 %</u>		Supervisor Signature:	<u>J</u>
<b>COMMENTS BY SUPERVISOR</b>			
Name:	<u>Fathur Amran</u>	Signature:	<u>J</u>
Manager's Name:	<u>Faris M. Firdaus</u>	Manager Signature:	<u>J</u>
		Date:	<u>04/12/27</u>