

DEEPWATER HORIZON

PLAN	INSPECT	IDENTIFY	COMMUNICATE	CONTROL
<p>List the step-by-step operational procedure for completing the task. State WHAT will be done - Do Not define HOW at this point. Be as general as possible and use specifics only when they are critical to the operation (e.g. weight, time, location, equipment, etc.). If it is impossible to list all of the essential steps of the operation here, use a second worksheet or break the operation into two or more sub-operations.</p>	<p>List WHAT equipment, materials and areas are to be inspected for each step of the operation. Be sure to include personal protective equipment. If the same equipment is used in more than one step, there is no need to repeat.</p>	<p>Brainstorm the potential hazards and risks associated with each operational step, piece of equipment, work area and all materials.</p>	<p>WHAT information needs to be communicated to WHOM? Ensure that all personnel performing the task understand how to perform the task safely, the hazards, risks, and controls required. Anyone else who might be affected by or might affect the task must clearly understand their role.</p>	<p>WHAT precautions should be taken to avoid risk of injury, environmental damage or property damage? How will the task be conducted to reduce the risk to an acceptable level as low as reasonably practical?</p>

TASK SPECIFIC THINK PROCEDURE

Brief Description of Task: Negative flow test using choke and kill lines

PLAN	INSPECT	IDENTIFY HAZARDS	COMMUNICATE	CONTROL
<p>1. Perform negative flow test.</p>	<ul style="list-style-type: none"> Choke manifold for proper alignment 	<p>Well fluids going to wrong place</p>	<ul style="list-style-type: none"> Driller and drill crew toolpusher 	<ul style="list-style-type: none"> A.D.s double check each other
<p>2. displace choke and kill lines with sea water close in on fail safe valves line up to mini trip tank</p>	<ul style="list-style-type: none"> choke manifold for proper alignment 	<p>Wrong fluid going down hole. Valves closed and blow relief valves</p>	<ul style="list-style-type: none"> Driller, A.D.s, drill crew, derrick man, sub sea tool pusher 	<ul style="list-style-type: none"> Derrick man and assistant cross check line in pit room and ad. Cross check
<p>3. Space out close lower annular or the appropriate rams.</p>	<ul style="list-style-type: none"> Sub sea ensure right gallon count 	<p>Wrong space out damage rams</p>	<ul style="list-style-type: none"> Driller A.D.s, drill crew tool pusher, sub sea 	<ul style="list-style-type: none"> Sub sea controls and monitors gallon count
<p>4. open well to surface open choke and kill line fail safe valves and remote choke to mini trip tank</p>	<ul style="list-style-type: none"> ensure flow path to poor boy and it is open and clear 	<p>Closed flow path will give false indication of no flow</p>	<ul style="list-style-type: none"> Driller, A.D. drill crew tool pusher and sub sea 	<ul style="list-style-type: none"> A.D.s cross check each other

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5. check for flow	<ul style="list-style-type: none"> ensure flow path is open 	Same as above	<ul style="list-style-type: none"> Driller A.D.s drill crew toolpusher and sub sea. 	<ul style="list-style-type: none"> A.d.s cross check each other
6.	<ul style="list-style-type: none"> 1. 		<ul style="list-style-type: none"> 	<ul style="list-style-type: none">
7.	<ul style="list-style-type: none"> 2. 		<ul style="list-style-type: none"> 	<ul style="list-style-type: none">
8.	<ul style="list-style-type: none"> 3. 		<ul style="list-style-type: none"> 	<ul style="list-style-type: none">
9.	<ul style="list-style-type: none"> 4. 		<ul style="list-style-type: none"> 	<ul style="list-style-type: none">

TSF Deepwater Horizon