

Explosive Handling

WHEN TO COMPLETE – Before the start of any Explosive Handling activities

Confirm each control / safeguard below before starting work	Guidance for confirming each control / safeguard	Person(s) Performing Work	Start-Work Verifier
I HAVE CONFIRMED:			
<p>1 PTW/JSA/TBRA for explosives are approved, reviewed by all involved personnel, and allowed to perform by the area controller. R&R for SLU explosive activities document is onsite and reviewed.</p>	<ul style="list-style-type: none"> • Look for PTW package and confirm that all signages have been completed by facility's authorized personnel. • Confirm with the area controller that he/she aware of the explosive operation. • Confirm that the JSA/TBRA has been reviewed by all involved personnel. • Confirm R&R of SLU explosive safety is on location and reviews before starting the job and ask everyone on location for understanding a role and responsibility. 		
<p>2 A correct 4 set of parameters(Time, Pressure, Temperature, Motion) was input into the Trigger tool and the sign acknowledge by DSR/WSR onsite</p>	<ul style="list-style-type: none"> • Confirm with the FSR on the Trigger tool has 4 set parameters (Time, Pressure, Temperature, Motion) for the trigger detonator. • Confirm with FSR and WSR/DSR on the correct 4 set parameters (Time, Pressure, Temperature, Motion) program in the Trigger tool as per design from the data on the survey run before the explosive run. A signature of WSR/DSR needs before the program parameter into the tool. A survey run has to run before the explosive run a batch survey run is not allowed. 		
<p>3 Mechanical safety switch install in Trigger too</p>	<ul style="list-style-type: none"> • Confirm the mechanical safety switch is on location and install with the Triger tool before RIH 		
<p>4 A double lifting clamp is required for lifting the armed explosive gun before connecting to the Slickline tool string</p>	<ul style="list-style-type: none"> • Confirm correct size of double lifting clamp for lifting an armed explosive gun • Confirm the certification of lifting clamp • Confirm R&R for a person install a clamp and how to install it. 		
<p>5 Weather condition during JSA/TBRA review and monitor weather condition during performing arming and handling explosive</p>	<ul style="list-style-type: none"> • Confirm that weather condition has been included in JSA/TBRA and verified with Radio Operator before starting task. <ul style="list-style-type: none"> – Ask crew for weather limitation. – Confirm that they aware of the wind speed limitation and signages of rapidly deteriorating weather condition (such as lightning, thunder, wind gusts, temperature variations, sudden precipitation, fast-building clouds, sandstorms, etc.). – Confirm that the crew will not attach the cable-tool string to the explosive device, arm, disarm, and/or handle any explosives. 		

	<ul style="list-style-type: none"> • Confirm that the weather condition will be monitored during perform task. • Ask crew for their response to the rapidly deteriorating weather condition. – Confirm that they will laydown lubricator and stop all surface-related explosive operations if bad weather observed. 		
6	<p>While arming explosives or explosives shallower than 200 ft. below the mud line during RIH or POOH, all the other activities on the top deck must be stopped, and no SIMOPS allowed</p>	<ul style="list-style-type: none"> • Confirm with Area Controller that all activities on the top deck must be stopped while arming explosives or explosives shallower than 200 ft. below the mud line during RIH or POOH. • Confirm that no hot work allow when gun is not 200 ft below seabed, or any hot work activity must be 50 ft away from explosive 	
7	<p>Stand by for maximum safe time before pulling out explosive tool string of hole</p>	<ul style="list-style-type: none"> • Ask SLU operator and WSR/DSR to ensure the explosive tool string will not pull out of the hole before the max run time that program in the trigger tool. 	
8	<p>Identified safe zone/refuge area and non-involved persons moved to the area</p>	<ul style="list-style-type: none"> • Ask Area Controller that where is the safe zone for the other crew while SLU team performs an Explosive task; load gun, arm gun, and an armed gun is above 200 ft-below mudline/seabed. <ul style="list-style-type: none"> - Confirm that the Safe zone is a place behind a metal wall, i.e. inside the platform dog house, SLU dog house. The SLU lubricator is not considered a metal wall. - The wellhead area and open area on the top deck are not considered safe zone. • Confirm that the designated safe zone has been addressed in JSA/TBRA and discuss during pre-job safety meeting. 	
9	<p>Check for barricade tape and explosive warning signs surrounding the working area of explosive, i.e., area of loading explosive, arming explosive, surrounding the area of the top deck during explosive shallower than 200 ft. below the mud line during RIH or POOH.</p>	<ul style="list-style-type: none"> • Look for barricade tape and explosive warning signs surrounding the working area of explosive, i.e., area of loading explosive, arming explosive, surrounding the area of the top deck during explosive shallower than 200 ft. below the mud line during RIH or POOH. 	

Confirm these controls / safeguards are in place and verified prior to starting work. Stop and seek help if anything changes.



Start-Work Check

	Printed Name & Role	Signature	Date
Start Work Verifier			

[INSERT ILLUSTRATION – IF APPLICABLE]