

Title	Equipment Operation Under Supervision					
Target Population	Field Engineers, Field Specialists & Equipment Operators					
This requirement is applicable to:	✓	JFE	✓	FST	✓	EOT
					✓	EO1
					✓	EO2
					✓	EO3

Objective:

The objective of this task is to evaluate and verify the employee's skills and knowledge in operating the following equipment efficiently under supervision:

Description		JFE	FST	EOT	EO1	EO2	EO3
1	Batch Mixer	✓	✓	✓			
2	Fluid Pumping Unit	✓	✓		✓		
3	Nitrogen Converter (pump & tank?)	✓	✓			✓	
4	Coiled Tubing Unit	✓	✓				✓

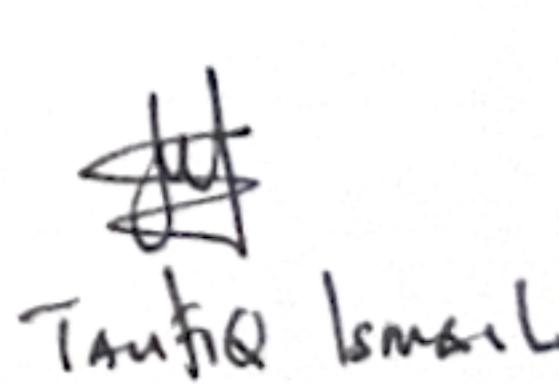
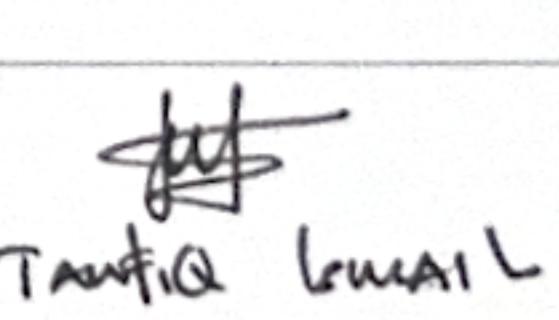
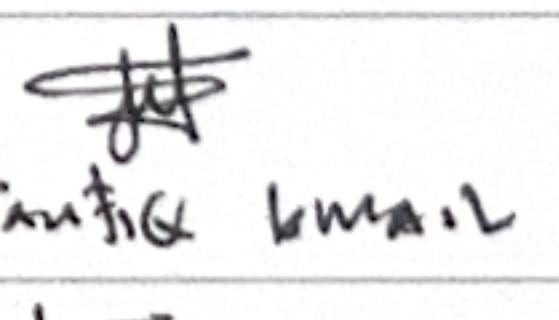
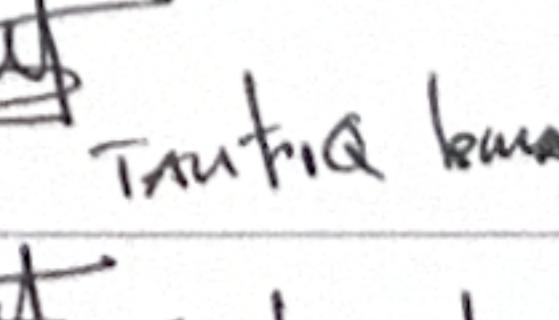
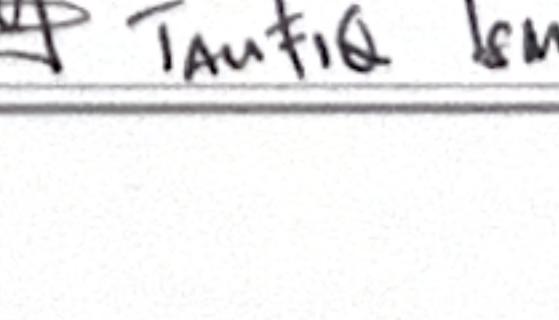
IMPORTANT NOTE: Please submit one (1) task sheet for each equipment

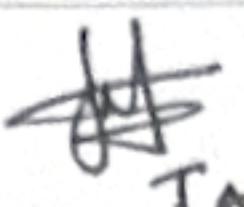
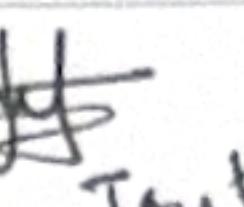
Tasks:

A mentor or any experienced team member assigned by the mentor will guide the employee to complete this task.

The assigned mentor is expected to train the employee and to conduct an evaluation to ensure that the employee achieves the required competency level for his position.

The employee should complete the following tasks:

NO	TASK	STATUS/DATE	MENTOR NAME/SIGN
1	Under the guidance of your assigned mentor, learn about equipment at the location and the important devices installed The employee must understand the design and the functions of the equipment as well as its components	DONE 18/4/24	 Tariq Ismail
2	Understand the basic operation as well as safety related issues	DONE 18/4/24	 Tariq Ismail
3	Learn how to run the equipment safely and efficiently from the assigned mentor	DONE 18/4/24	 Tariq Ismail
4	Perform pre and post job EMC 1 effectively for the unit	DONE 18/4/24	 Tariq Ismail
5	Participate in the maintenance activity for the unit	DONE 18/4/24	 Tariq Ismail

6	Operate the equipment under supervision in actual jobs	done 18/4/24	 Tantia bma
7	Review and agree performance of each task with your Mentor in order to validate its completion	done 18/4/24	 Tantia bma

REQUIRED EVIDENCE:

- 1 CTS-FORM-90 Coiled Tubing Performance Assessment Feedback
- 2 EMC 1 for the specified equipment



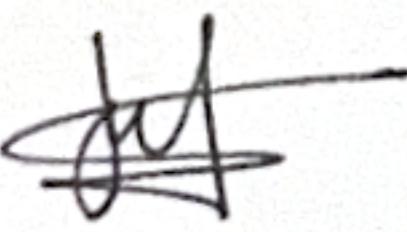
MENTOR / ASSESSOR'S FEEDBACK:

NO	TASK	FEEDBACK
1	The employee demonstrates good knowledge of the design and the functions of the equipment and its components	Good knowledge
2	The employee understands the basic operation as well as the safety related issues	Good knowledge
3	The employee demonstrates required skills and knowledge to perform pre and post job EMC 1 effectively for the unit	Good knowledge
4	The employee is ABLE to operate the Batch Mixer / Fluid Pumping Unit / Nitrogen Converter / Coiled Tubing Unit UNDER SUPERVISION in actual jobs [please circle the relevant equipment] Note: Please specify the job supported by CTS-FORM-90 Coiled Tubing Performance Assessment Feedback	Able to operate Bmx unit stand alone

OVERALL SCORE	STRONG		ADEQUATE			IMPROVEMENT NEEDED		
	10	9	8	7	6	5	4	3

MENTOR / ASSESSOR's Comments & Recommendation:

- Able to stand alone to operate Bmx unit during operation and Continus learning in operate cts unit.
- Recommend personnel to break out from EOT to EOJ

Signature		Assessment Date	
Name	TAWFIQ ISMAIL	Position	FIELD SPECIALIST

FSM / OM Comments & Recommendation:

- Task completed

Signature		Assessment Date	20/1/25
Name	RIDHWAAN ARZAN	Position	FSM

DIMENSION BID

Equipment Maintenance Checklist 1

PRE JOB	LOCATION	ON JOB	LOCATION	POST JOB	LOCATION
				✓	DLC

Equipment type	: Batch Mixer Tank
Equipment number	: CTU / BM / 01
Y N Checklist	
Appearance & Safety Equipment:	
✓	Ensure unit is clean
✓	Skid condition - visually check for any damage
✓	Walkway/ladders - check for any damage
✓	Ensure anti slip installed at walkway/ladder
Labelling	
	MGW and SWL in place
	Last annual inspection
Lifting Devices	
✓	Inspection on shackles and pins, slings and lugs
✓	MPI on pad eye if necessary
✓	Mark the inspection date and due date
✓	Load test is current
✓	All protection caps and ID tags in place.
Corrosion, Dent, Defects in Weld	
✓	Check for rust in weld, no leaks
✓	Check for leakages or any damage at tank
✓	Check all piping, manhole covers, valves
Safety Equipment and Certification	
✓	Visual inspection of all pad eyes and lifting gear
✓	Safety guards and rail in working condition

Location Mob/Demob:	DLC
Date	: 30/03/2024
Y N Checklist	
C-Pump:	
	C-Pump packing - check condition
	Check operation and shut in pressure 30 ps
	4x5 C-Pump > 45 psi
	5x6 C-Pump > 55 psi
	Perform circulation test
Mixing tank & piping:	
	Check condition of mixing tank & paddle
	Check condition of suction & discharge piping
	Check condition of B/F Valve & grease
	Check condition of safety railing w/comp lock pin
	Mixing head + circulation jet - no cement build up
Paddles / Agitator:	
	Check oil level (SAE 90)
	Grease bearing
	Check agitators rotation
Certifications:	
	Sling condition/ Due on F/24
	MPI due F/24
	Visual Test due P/24

Please state the equipment readiness

Ready

Not Ready

Ready for job but need to replace
C-pump seal

Maintenance type done. (Please state if any spare used)

Preventive Maintenance

Corrective Maintenance

NAME

HULAF

POSITION

EO

EXAMINER SIGNATURE

VERIFIED BY

DIMENSION BID

Equipment Maintenance Checklist 1

PRE JOB	LOCATION	ON JOB	LOCATION	POST JOB	LOCATION
				✓	DULNG - C

Equipment type	: CTU Batch Mixer				
Location Mob/ Demob	: DULNG - C				
Equipment number	: CTU / Bmp / 01				
Y	N	Checklist			
Appearance and Safety Equipment:					
✓	Ensure unit appearance good and clean				
✓	Verify that all earth/ground cables are in place, well connected				
✓	Skid condition - visually check for any damage				
✓	Fire extinguisher is present and certified				
Cooling System:					
✓	Coolant level & condition				
✓	Check visible leaks				
✓	Radiator hose & clamp condition				
✓	Perform visual and physical check on radiator fin				
Engine Inpection:					
✓	Check engine oil level(SAE 15w-40) not be milty or too dark				
✓	Check any general leaks on all filter, hoses, and connectors.				
✓	Check fan, hub, fanbelt condition/ tension				
✓	A	Check Battery cable connectors (if applicable)			
✓	Check condition of engine hoses				
✓	Check for rusted part- repair/repaint if required				
✓	Check the crankcase vent system for excessive blow by				
✓	Check engine mounting condition - tight any loose bolt				
Controls / Instrumentation:					
✓	Normal kill tested				
✓	Emergency kill tested				
✓	Oil pressure gauge in good condition				
✓	Tachometer display in good condition				
✓	Throttle control in good condition				
✓	Engine stop cable/button in good condition				
✓	Engine start cable/button in good condition				
Exhaust System:					
✓	Pipework - check for any leak or damage				
✓	Condition/Operation of exhaust flapper				
✓	A	Condition of exhaust wrap are in place and in good condition			
Transmission, Gearbox:					
✓	Check level Sight glass/dipstick shows in full (SAE 90)				
✓	Check condition of the gearbox breather filter				
Hydraulic System:					
✓	Check Hyd. Hoses/valve/connections undamage and clean				
✓	Hyd. tank - drain any water				
✓	Check hydraulic oil level (2" from top) (Tellus 46)				
✓	Check hydraulic gauges				
✓	Check condition of fittings & couplings				
Fuel System:					
✓	Check for any water contamination in the fuel filter sight bowl				
✓	Check fuel tank breather cap condition				
✓	Check for leaks on fuel lines, connections, and hoses				
✓	Fuel filter - check condition				
✓	Fill up the diesel tank to 90% (if applicable)				
✓	Drain 1 litre fuel from drain valve				

Running Hours	:	
Date	:	30/3/2024
Y N Checklist		
Air System:		
✓ Check any visible leaks - ensure air up 90-110psi		
✓ Gauges in good condition		
✓ Air reservoir /tanks - drain any water		
✓ Air hose, connections, piping, valves and actuators condition		
✓ All pneumatic control valve working properly		
✓ All gauges in good condition		
Air Cleaner:		
✓ Check the element for water or soot and clean as required		
Zone II System:		
✓ Flame traps - check cleanliness		
✓ Air intake valve (flapper) - check condition		
✓ Spark arrestor - check condition		
Paddles / Agitator:		
✓ Check oil level (SAE 90)		
✓ Grease bearing		
✓ Check agitators rotation		
System Pressure:		
✓ Fuel pressure@idle speed		psi
✓ Fuel pressure@ 1800 RPM		psi
✓ Oil pressure @ cold start		60 psi
✓ Oil pressure @ 180deg F		40 psi
Certifications:		
✓ Sling condition/ Due on 8/24		
✓ MPI due 8/24		
✓ Visual Test due 8/24		

Please state the equipment readiness

Ready

Not Ready

Ready for job but need to replace
C-pump seal

Maintenance type done. (Please state if any spare used)

Preventive Maintenance

Corrective Maintenance

NAME

HULAF

POSITION

TO

EXAMINER SIGNATURE

VERIFIED-BY

Doc. Ref. No.: CTS-FORM-13

Rev. No.: 01

Effective Date: 01/02/2022

(Revised, dated 07/11/18; OBSOLETE)

DIMENSION BID

COILED TUBING PERFORMANCE ASSESSMENT FEEDBACK

PART 1: To be completed by Assessor [WEIGHT: 40%]

Name	AHMAD HULAIF AIMAN BIN AHMAD HAMINIZA	COB Date	19/3/2024
Position	EQUIPMENT OPERATOR TRAINEE	RTB Date	19/4/2024
Client	PCSB	Location	DULANG
Platform	DULANG CHARLIE	Well	C-15L
Assessed By	Name: TAUFIQ ISMAIL Position: FIELD SPECIALIST		

RATING LEGEND:

STRONG	Performance consistently exceeded expectations in all essential areas of responsibility, and the quality of work overall was excellent
ADEQUATE	Performance consistently met expectations in all areas of responsibility, at times possibly exceeding expectations, and the quality of work overall was very good
IMPROVEMENT NEEDED	Performance did not consistently meet expectations - performance failed to meet expectations in one or more essential areas of responsibility

Assessment Criteria	Rating (Please <input checked="" type="checkbox"/> where appropriate)								
	STRONG			ADEQUATE			IMPROVEMENT NEEDED		
Safety Awareness (20%)	10	9	8	7	6	5	4	3	2
a. Usage of Personal Protective Equipment	/								
b. Participation in UAUC		/							
c. Understanding of PTW System		/							
d. Worksite House Keeping			/						
Work Performance (20%)				/					
e. Initiative and Creativity					/				
f. Decision Making Capability					/				
g. Understanding of Job Scope				/					
h. Tools Inventory and Reporting					/				
i. Work Quality						/			
j. Reporting				/					
k. Punctuality and Time Keeping					/				
l. Teamwork					/				
m. Communication					/				
n. Leadership Skills						/			
o. Adaptability to Work Environment/Surrounding				/					
p. Attitude				/					
q. Discipline	/								

REMARKS/COMMENTS/FEEDBACK ON PERFORMANCE OR AREAS OF IMPROVEMENT:

Assign as PTA applicant and BMX operator during working period.

Able to stand alone operate BMX unit and keep learning to operate single pump unit.

Assessed By (Supervisor)	
Name	TAUFIQ ISMAIL
Date Doc. Ref. No.: CTS-FORM-90	18/4/2024

Revision No.: 01

Effective Date: 21/08/2023

(Rev.00, Dated: 22/09/19 - OBSOLETE)

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DIMENSION BID

COILED TUBING PERFORMANCE ASSESSMENT FEEDBACK

PART 2: To be completed by Employee and Assessor [WEIGHT: 60%]

Type of Task	Tasks Performed	Assessor Comment														
1. Pre-Job Preparation	1. Attend toolbox and morning meeting with CSR and WSS. 2. Assisted crew to rearrange CTU equipment and spot unit. 3. Pre-check/EMC1 all CTU equipment before run the job. 4. Prepare E-Ptw for each work to be performed.	Good Job														
		Rating (by SUPERVISOR)			STRONG		ADEQUATE		IMPROVEMENT NEEDED							
2. Surface Equipment Rig-up	1. Assist crew to rig up surface line from SP01 to coil reel and kill port to combi BOP. 2. Assist crew to rig up N2 line from NCV to CT reel. 3. Rig up 4" hose from fluid storage tank to SP01. 4. Rig up 4" hose from BMX tank to SP01. 5. Spot/arrange flood light, control cabin and tool container electric cable to junction box. 6. Rig up water injection line from well C-21L to fluid storage tank. 7. Rig up wilden pump, 2" spring hose and air hose from sea deck to main deck.	10 9 8			7 6 5		4 3 2		Good Job							
		Rating (by SUPERVISOR)			STRONG		ADEQUATE		IMPROVEMENT NEEDED							
3. Tools / Equipment Preparation	1. Installing air hose from compressor to Single pump, BMX01 and wilden pump. 2. Perform EMC1 on Air Compressor and Genset for pre job. 3. Fuel up diesel all CTU equipment.	10 9 8			7 6 5		4 3 2		Good Job							
		Rating (by Operator)			STRONG		ADEQUATE		IMPROVEMENT NEEDED							
4. Equipment	4.1 Batch Mixer 1. Assist Batch Mixer Operator to troubleshoot batch mixer powerpack because of lost prime. 2. Assist Batch Mixer Operator to mix gel. 3. Assist Batch Mixer Operator to check all the butterfly valve functioning well or not.	10 9 8			7 6 5		4 3 2		Done							
		Rating (by SUPERVISOR)			STRONG		ADEQUATE		IMPROVEMENT NEEDED							
Employee was able to OPERATE the equipment:								Under Supervision		Standalone						

DIMENSION BID

COILED TUBING PERFORMANCE ASSESSMENT FEEDBACK

PART 2: To be completed by Employee and Assessor [WEIGHT: 60%]

Type of Task	Tasks Performed	Assessor Comment								
	<p>4.2 Pump Unit</p> <p>1. Assist crew to rig up surface pumping line. 2. Assist pump operator to open up butterfly valve during job. 3. Assist crew to function test on pumping unit.</p>	<i>Good Assist</i>								
	Rating (by SUPERVISOR)	STRONG			ADEQUATE			IMPROVEMENT NEEDED		
	10 9 8	7 6 5	4 3 2	Under Supervision <input checked="" type="checkbox"/>			Standalone <input type="checkbox"/>			
	<p>4.3 Nitrogen Pump unit & Nitrogen Tank</p> <p>1. Assist crew to rig up 2" HP treating line to CT reel and include bleed off line. 2. Assist crew to rig up cryogenic hose from N2 tank to inlet and outlet line on NCV. 3. Assist crew to bleed off nitrogen tank.</p>	<i>Good Assist</i>								
	Rating (by SUPERVISOR)	STRONG			ADEQUATE			IMPROVEMENT NEEDED		
	10 9 8	7 6 5	4 3 2	Under Supervision <input checked="" type="checkbox"/>			Standalone <input type="checkbox"/>			
	<p>4.4 Power Pack</p> <p>1. Assist to rig up hydraulic power hose to Injector Head. 2. Assist to rig up hose from CTU Power Pack to Control Cabin.</p>	<i>Good Assist</i>								
	Rating (by SUPERVISOR)	STRONG			ADEQUATE			IMPROVEMENT NEEDED		
	10 9 8	7 6 5	4 3 2	Under Supervision <input checked="" type="checkbox"/>			Standalone <input type="checkbox"/>			
	<p>4.5 Control Cabin</p> <p>1. Assist to rig up hydraulic hose and connect to CT Reel, Injector Head and BOP.</p>	<i>Good Assist</i>								
	Rating (by SUPERVISOR)	STRONG			ADEQUATE			IMPROVEMENT NEEDED		
	10 9 8	7 6 5	4 3 2	Under Supervision <input checked="" type="checkbox"/>			Standalone <input type="checkbox"/>			

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COILED TUBING PERFORMANCE ASSESSMENT FEEDBACK

PART 2: To be completed by Employee and Assessor [WEIGHT: 60%]

Type of Task	Tasks Performed			Assessor Comment							
4.6 CT Reel	<p>4.6 CT Reel</p> <p>1. Assist to connect hydraulic hose from control cabin. 2. Assist crew to rig up line from pump and nitrogen to CT reel.</p>			<p>Good & Assist</p>							
	Rating (by SUPERVISOR)	STRONG			ADEQUATE			IMPROVEMENT NEEDED			
		10	9	8	7	6	5	4	3	2	
	Employee was able to OPERATE the equipment:			Under Supervision		Standalone					
4.7 Injector Head	<p>4.7 Injector Head</p> <p>1. Assist to stab in CT to Injector Head 2. Assist crew to spot jackig frame and injector head on well c-15L</p>			<p>Good & Assist</p>							
	Rating (by SUPERVISOR)	STRONG			ADEQUATE			IMPROVEMENT NEEDED			
		10	9	8	7	6	5	4	3	2	
	Employee was able to OPERATE the equipment:			Under Supervision		Standalone					
4.8 Pressure Control Equipment	<p>4.8 Pressure Control Equipment</p> <p>1. Assist to connect hydraulic hose from Control Cabin to Single BOP and Combi BOP.</p>			<p>Good & Assist</p>							
	Rating (by SUPERVISOR)	STRONG			ADEQUATE			IMPROVEMENT NEEDED			
		10	9	8	7	6	5	4	3	2	
	Employee was able to OPERATE the equipment:			Under Supervision		Standalone					
4.9 Basic BHA Components	<p>4.9 Basic BHA Components</p> <p>1. Assist crew to make up BHA. 2. Assist CT Supervisor to prepare BHA to be use for job.</p>			<p>Good & Assist</p>							
	Rating (by SUPERVISOR)	STRONG			ADEQUATE			IMPROVEMENT NEEDED			
		10	9	8	7	6	5	4	3	2	
	Employee was able to OPERATE the tools:			Under Supervision		Standalone					

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DIMENSION BID

COILED TUBING PERFORMANCE ASSESSMENT FEEDBACK

PART 3: To be completed by Employee and Assessor

DATE	Assignment/Summary Job/Duration	Supervisor's Feedback (Please indicate if employee is able to execute the job <u>UNDER SUPERVISION</u> or <u>STANDALONE</u>)
19/3/2024 19/4/2024	<p>Mobilized from KTSB to DULANG C on 19 March 2024. When arrived at location, proceed to start rig up CTU equipment and surface line on maindeck. Split crew after completed rig up. I was assigned as Helper on Night Shift.</p> <p>On well C-15L, we are performing well cleanout inside tubing frome slickline latest HUD until EOT. During this job, I was actively assist coil tubing crew to make the job run smoothly. I assisted Batch Mixer Operator to mix gel and also assist pump operator to open up butterfly valve. During this hitch also I learn to operate Batch Mixer. I also learn on how to troubleshoot Batch Mixer C-Pump and troubleshoot NCV booster pump. And, crew changed on 19 April 2024.</p>	<p>Able to operate Bmx unit standalone and learning to operate single Pump unit.</p> <p><i>[Signature]</i> Taufiq Ismail</p>

Please tick (✓) category of services performed:

Standard Services:

Wellbore Cleanout
CT Cementing
Nitrogen Operations
Pumping Services

✓

Advanced Services

CT Fishing
CT Milling
CT Logging
CT Perforation
