



### Equipment Maintenance

#### Checklist 1

Equipment type	CTU Batch Mixer
Location	DELTA
Equipment number	CTU BMP 002
Checklist	
Appearance and Safety Equipment:	
<input checked="" type="checkbox"/> Ensure unit appearance good and clean <input checked="" type="checkbox"/> Verify that all earth/ground cables are in place, well connected <input checked="" type="checkbox"/> Skid condition - visually check for any damage <input checked="" type="checkbox"/> Fire extinguisher is present and certified <b>OB CTU 02 22.03.2023</b>	
Coolant System:	
<input checked="" type="checkbox"/> Coolant level & condition <input checked="" type="checkbox"/> Check visible leaks <input checked="" type="checkbox"/> Radiator hose & clamp condition	
Engine Inspection:	
<input checked="" type="checkbox"/> Check engine oil level(SAE 15w-40) not be milky or too dark <input checked="" type="checkbox"/> Check any general leaks on all filter, hoses, and connectors. <input checked="" type="checkbox"/> Check fan, hub, fanbelt Condition/ Tension <input checked="" type="checkbox"/> Check Battery cable connectors <input checked="" type="checkbox"/> Check condition of engine hose's <input checked="" type="checkbox"/> Check for rusted part- repair if required <input checked="" type="checkbox"/> Check the crankcase vent system for excessive blow by	
Air Cleaner:	
<input checked="" type="checkbox"/> Air filter condition-check the element for water or soot and clean as required	
Controls / Instrumentation:	
<input checked="" type="checkbox"/> Normal kill tested <input checked="" type="checkbox"/> Emergency kill tested <input checked="" type="checkbox"/> Oil pressure gauge in good condition <input checked="" type="checkbox"/> Tachometer in good condition <input checked="" type="checkbox"/> Throttle control in good condition <input checked="" type="checkbox"/> Engine stop cable in good condition <input checked="" type="checkbox"/> Engine start valve in good condition	
Exhaust System:	
<input checked="" type="checkbox"/> Pipework - check for any leak or damage <input checked="" type="checkbox"/> Condition/Operation of rain cap <input checked="" type="checkbox"/> Condition of exhaust wrap are in place and in good condition	
Transmission, Gearbox:	
<input checked="" type="checkbox"/> Check level Sight glass shows in full (SAE 90) <input checked="" type="checkbox"/> Check condition of the gearbox breather filter	
Hydraulic System:	
<input checked="" type="checkbox"/> Check Hyd. Hoses/valve/connections undamage and clean <input checked="" type="checkbox"/> Hyd.tank - drain any water <input checked="" type="checkbox"/> Check hyd. oil level (2" from top) (Tellus 46) <input checked="" type="checkbox"/> Check hyd. gauges <input checked="" type="checkbox"/> Check condition of fittings & couplings	
Fuel System:	
<input checked="" type="checkbox"/> Check for any water contamination in the fuel filter sight bowl <input checked="" type="checkbox"/> Fuel tank - drain any water <input checked="" type="checkbox"/> Check for leaks on fuel lines, connections, and hoses <input checked="" type="checkbox"/> Fuel filter - check condition <input checked="" type="checkbox"/> Fill up the diesel tank to 90%	

Please state the equipment readiness in either columns and spare used

Ready

Not Ready

Ready to Next Job

Date : 25/7/2022

Name : ADIL SAFWAN

Position : EO

Signature:

Please state any corrective actions and spare used.

#### Corrective Action Completion

Date :

Name :

Position :

Signature:

# DIMENSION BID

## COILED TUBING PERFORMANCE ASSESSMENT FEEDBACK

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

Name	MOHAMAD AIDIL SAFWAN B. KASOFF	COB Date	18 MAY 2023
Position	EQUIPMENT OPERATOR TRAINEE	RTB Date	10 JUN 2023
Client	PETRONAS CARIGALI	Location	ANGSII
Platform	ANGSII - ANDRA	Well	A-12 S
Assessed By	Name: JO HARI BIN JOHOR	Position:	COILED TUBING SUPERVISOR

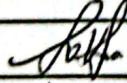
### RATING LEGEND:

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			<input checked="" type="checkbox"/>						
b. Participation in UAUC			<input checked="" type="checkbox"/>						
c. Understanding of PTW System			<input checked="" type="checkbox"/>						
d. Worksite House Keeping			<input checked="" type="checkbox"/>						
<u>Work Performance (20%)</u>									
e. Initiative and Creativity						<input checked="" type="checkbox"/>			
f. Decision Making Capability							<input checked="" type="checkbox"/>		
g. Understanding of Job Scope						<input checked="" type="checkbox"/>			
h. Tools Inventory and Reporting					<input checked="" type="checkbox"/>				
i. Work Quality				<input checked="" type="checkbox"/>					
j. Reporting					<input checked="" type="checkbox"/>				
k. Punctuality and Time Keeping						<input checked="" type="checkbox"/>			
l. Teamwork		<input checked="" type="checkbox"/>							
m. Communication			<input checked="" type="checkbox"/>						
n. Leadership Skills				<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		
o. Adaptability to Work Environment/Surrounding					<input checked="" type="checkbox"/>				
p. Attitude					<input checked="" type="checkbox"/>				
q. Discipline			<input checked="" type="checkbox"/>						

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

Give good team work and continuous learning from working overall (overall goal).

Assessed By (Supervisor)	
Name	JOHARI BIN JOHOR
Date	11 JUN 2023

## 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 meeting with CSR. 2. Prepare EPN before do the job.	Done									
		Rating (by SUPERVISOR)	STRONG	10	9	8	7	6	5	ADEQUATE	IMPROVEMENT NEEDED
2. Surface Equipment Rig-up	1. ASSIST crew rig up Pumping surface line from SP01 to CTU reel, bleed out line and kill port line to Combi BOP. 2. Rig up 4" hose from FST to PUMP 01 and BMX	Done									
		Rating (by SUPERVISOR)	STRONG	10	9	8	7	6	5	ADEQUATE	IMPROVEMENT NEEDED
3. Tools / Equipment Preparation	1. Connect air hose to all CTU equipment 2. Perform EMC1 before do the job. 3. Top up diesel on equipment.	Done									
		Rating (by Operator)	STRONG	10	9	8	7	6	5	ADEQUATE	IMPROVEMENT NEEDED
4. Equipment	4.1 Batch Mixer 1. Mixing 15% HCL 2. Assist mechanic on board do EMC 2, change new belting set.	Done									
		Rating (by SUPERVISOR)	STRONG	10	9	8	7	6	5	ADEQUATE	IMPROVEMENT NEEDED
	Employee was able to OPERATE the equipment:	Under Supervision				<input checked="" type="checkbox"/>	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									
4.2 Pump Unit	1. Assist pump man to close/open bleed out line valve - 2. Assist crew rig up surface pump line. 3. Assist pump man top up engine oil and change oil filter -	Done									
	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			
4.3 Nitrogen Pump unit & Nitrogen Tank	1. Assist crew transfer nitrogen	Done									
	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			
4.4 Power Pack	1. Assist to rig up Power hose hydraulic to injector head 2. Assist to rig up hose from power pack to control cabin.	Done									
	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			
4.5 Control Cabin	1. Assist to rig up hydraulic hose to CT reel, injector head and BOP.	Done									
	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			

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Effective Date: 21/08/2023

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

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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	1. ASSIST CT operator to spool in or out coil while doing the job.	done																		
	Rating (by SUPERVISOR)	<table border="1"> <tr> <td colspan="3">STRONG</td> <td colspan="3">ADEQUATE</td> <td colspan="3">IMPROVEMENT NEEDED</td> </tr> <tr> <td>10</td> <td>9</td> <td>8</td> <td>7</td> <td>6</td> <td>5</td> <td>4</td> <td>3</td> <td>2</td> </tr> </table>	STRONG			ADEQUATE			IMPROVEMENT NEEDED			10	9	8	7	6	5	4	3	2
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Employee was able to OPERATE the equipment:	<table border="1"> <tr> <td>Under Supervision</td> <td></td> </tr> <tr> <td>Standalone</td> <td>✓</td> </tr> </table>	Under Supervision		Standalone	✓															
Under Supervision																				
Standalone	✓																			
4.7 Injector Head	1. ASSIST crew change new Stripper	done																		
	Rating (by SUPERVISOR)	<table border="1"> <tr> <td colspan="3">STRONG</td> <td colspan="3">ADEQUATE</td> <td colspan="3">IMPROVEMENT NEEDED</td> </tr> <tr> <td>10</td> <td>9</td> <td>8</td> <td>7</td> <td>6</td> <td>5</td> <td>4</td> <td>3</td> <td>2</td> </tr> </table>	STRONG			ADEQUATE			IMPROVEMENT NEEDED			10	9	8	7	6	5	4	3	2
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Employee was able to OPERATE the equipment:	<table border="1"> <tr> <td>Under Supervision</td> <td>✓</td> </tr> <tr> <td>Standalone</td> <td></td> </tr> </table>	Under Supervision	✓	Standalone																
Under Supervision	✓																			
Standalone																				
4.8 Pressure Control Equipment	1. ASSIST to connect hydraulic hose from control cabin to single BOP and combi-	done																		
	Rating (by SUPERVISOR)	<table border="1"> <tr> <td colspan="3">STRONG</td> <td colspan="3">ADEQUATE</td> <td colspan="3">IMPROVEMENT NEEDED</td> </tr> <tr> <td>10</td> <td>9</td> <td>8</td> <td>7</td> <td>6</td> <td>5</td> <td>4</td> <td>3</td> <td>2</td> </tr> </table>	STRONG			ADEQUATE			IMPROVEMENT NEEDED			10	9	8	7	6	5	4	3	2
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Under Supervision	✓																			
Standalone																				
4.9 Basic BHA Components	1. ASSIST crew make up BHA tools for job.	done																		
	Rating (by SUPERVISOR)	<table border="1"> <tr> <td colspan="3">STRONG</td> <td colspan="3">ADEQUATE</td> <td colspan="3">IMPROVEMENT NEEDED</td> </tr> <tr> <td>10</td> <td>9</td> <td>8</td> <td>7</td> <td>6</td> <td>5</td> <td>4</td> <td>3</td> <td>2</td> </tr> </table>	STRONG			ADEQUATE			IMPROVEMENT NEEDED			10	9	8	7	6	5	4	3	2
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	10	9	8	7	6	5	4	3	2											
Employee was able to OPERATE the tools:	<table border="1"> <tr> <td>Under Supervision</td> <td>✓</td> </tr> <tr> <td>Standalone</td> <td></td> </tr> </table>	Under Supervision	✓	Standalone																
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																		
5. Job Supervision (If applicable) Please complete this section if you perform any supervisory role during operation	1- Stand alone as Batch Mixer Operator, Perform mixing chemical HCL 15% and prepare TSW.	Done																		
Rating (by SUPERVISOR)	<table border="1"><tr><td colspan="3">STRONG</td><td colspan="3">ADEQUATE</td><td colspan="3">IMPROVEMENT NEEDED</td></tr><tr><td>10</td><td>9</td><td>8</td><td>7</td><td>6</td><td>5</td><td>4</td><td>3</td><td>2</td></tr></table>	STRONG			ADEQUATE			IMPROVEMENT NEEDED			10	9	8	7	6	5	4	3	2	
STRONG			ADEQUATE			IMPROVEMENT NEEDED														
10	9	8	7	6	5	4	3	2												
Please ✓ accordingly to confirm the role of the employee during operation			Full Supervisor	<input checked="" type="checkbox"/>		2nd / Night Supervisor	<input type="checkbox"/>													

# 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 <b>UNDER SUPERVISION</b> or <b>STANDALONE</b> )
24 May	- CTU Perform scale cleanout until SSD below first packer -	Great job and well done

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


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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	✓	✓				✓

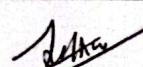
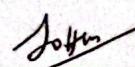
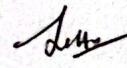
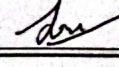
**IMPORTANT NOTE:** Please submit one (1) task sheet for each equipment

**Tasks:**

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

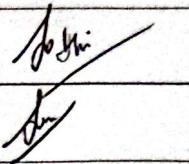
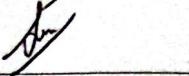
The assigned mentor is expected to train the employee and to conduct an evaluation to ensure that the employee achieves the required competency level for his position.

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 4/15/2023	
2	Understand the basic operation as well as safety related issues	Done	
3	Learn how to run the equipment safely and efficiently from the assigned mentor	Done	
4	Perform pre and post job EMC 1 effectively for the unit	Done	
5	Participate in the maintenance activity for the unit	Done	

# DIMENSION BID

## CTS TASK SHEET

6	Operate the equipment under supervision in actual jobs	Dum	
7	Review and agree performance of each task with your Mentor in order to validate its completion	Dum	

### REQUIRED EVIDENCE:

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



# DIMENSION BID

## CTS TASK SHEET

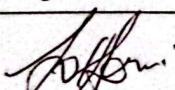
### MENTOR / ASSESSOR'S FEEDBACK:

NO	TASK	FEEDBACK
1	The employee demonstrates good knowledge of the design and the functions of the equipment and its components	- Done
2	The employee understands the basic operation as well as the safety related issues	- Done
3	The employee demonstrates required skills and knowledge to perform pre and post job EMC 1 effectively for the unit	- Done
4	The employee is ABLE to operate the Batch Mixer / Fluid Pumping Unit / Nitrogen Converter / Coiled Tubing Unit <b>UNDER SUPERVISION</b> 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 & send alive as BMT - run pump unit under supervision

OVERALL SCORE	STRONG			ADEQUATE			IMPROVEMENT NEEDED		
	10	9	8	7	6	5	4	3	2

### MENTOR / ASSESSOR's Comments & Recommendation:

- Good knowledge about
- Need to improve & study more about single pump & critical type

Signature		Assessment Date	4/15/2024
Name	Johari B. Johari	Position	PS

### FSM / OM Comments & Recommendation:

- Need to improve knowledge on single pump & BMT

Signature		Assessment Date	26/1/25
Name	Rithwan Azaan	Position	FSM