

Title	Job Supervision – Standard & Advanced Services				
Target Population	Field Engineer & Field Specialists				
This requirement is applicable to:		JFE		FST	EOT
	✓	FE1	✓	FS1	EO1
	✓	FE2	✓	FS2	EO2
			✓	FS3	EO3
					✓ GEO

Objective:

The objective of this task is to evaluate and verify the employee's competency in executing coiled tubing operations independently as main supervisor or second supervisor (night shift). At this level, his competency is evaluated on both Standard and Advanced Services:

- Standard Services
 - Wellbore Cleanout
 - CT Cementing
 - Nitrogen Operations
 - Pumping Services
- Advanced Services
 - CT Fishing
 - CT Milling
 - CT Logging
 - CT Mechanical Packer
 - CT Real-Time Downhole Tools
 - CT Matrix Stimulation

Tasks:

The employee should complete the following tasks:

1. Play a strong operational role at location either as the main job supervisor or as a second supervisor (night shift) and ensure operations are carried out in a safe and efficient manner.
2. Participate in all aspects of the service delivery process such as job preparations i.e. logistics, wellsite client contact, managing the crew, job execution in compliance with CTS Standard and reporting requirements.
3. Review the Job Program.
4. Understand and be able to explain the Job Objective(s) for the operation.
5. Participate in the Job Safety Analysis or Risk Assessment for the operation.
6. Ensure pre and post EMC 1 for all equipment are being performed at location.
7. Leading the rig-up and rig-down of equipment in a safe manner.
8. Make some basic calculations as required during operation (some examples: MPSP, PT-A & PT-B values, CT string volume, volume to displace bottoms up wellbore, CT speed required to place fluids

- in wellbore, Nitrogen required to flush CT string at surface, N2 required to displace CT String when at a given depth).
9. Calculate and log the times consumed in the following activities; mobilization, equipment spot, rig up, operation, NPT, standby, rig down, de-mobilization.
 10. Calculate the total volume of fluids pumped and the total amount of additives used for operation.
 11. Produce job tickets and get client's agreement and signature accordingly.

REQUIRED EVIDENCE:

- 1 Evidence of participation in and / or delivery of the above tasks

☐

Brief summary of employee's learning outcome (to be completed by Assessor):

* Good supervise during operation with client & crew

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

MENTOR / ASSESSOR's Comments & Recommendation:

Signature		Assessment Date	6-8-24
Name	MOHD SYUKRI B AHMAD	Position	FS2

FSM / OM Comments & Recommendation:

Able to ~~supervise~~ supervised operation standalone.

Signature		Assessment Date	6/8/24
Name	RIAHWAN AZZAN	Position	FSM

DIMENSION BID

Equipment Maintenance Checklist 1		PRE JOB	LOCATION	ON JOB	LOCATION	POST JOB	LOCATION
Equipment type : DSQ4 Side Door Stripper							
Equipment number : C10/SPS/01							
Y	N	Checklist					
Appearance & Safety Equipment:							
☒		Ensure unit is clean					
☒		Physically check body for damages					
Connections:							
☒		Check for any leaks at connections					
☒		Check threads condition					
☒		Check hydraulic fittings and hoses condition					
☒		Check seals faces and grooves					
☒		Grease when required					
☒		Plastic caps on all fittings					
Stripper Elements:							
☒		Check packer elements condition					
☒		Check energizer condition					
☒		Check brass bushings condition					
☒		Check non-extrusion rings condition					
Seals & Back-up Rings:							
☒		Check M-seal and backup seal condition					
☒		Check O-ring and backup seal on CB connection					
Pressure & Function Test:							
☒		Test stripper pack and retract function					
☒		Check communication with the cabin					
☒		Pressure test as required (prior to load out)					
Please state the equipment readiness							
Ready				Not Ready			
- Ready for next job							
Maintenance type done (Please state if any spare used)							
Preventive Maintenance				Corrective Maintenance			
NAME		POSITION		EXAMINER SIGNATURE		VERIFIED BY	
Faiyuddin		GEO		Ludi		J M-Taufiq	

DIMENSION BID

Equipment Maintenance Checklist 1

PRE JOB	LOCATION
✓	

ON JOB	LOCATION
✓	DL-A

POST JOB	LOCATION

Equipment type : CTU Injector Head HR680	
Location Mob/Demob : DL-A	
Equipment number : CTU 114 / 01	
Y	N Checklist
Appearance & Safety Equipment:	
✓	Ensure unit is clean
✓	Skid condition - visually check for any damage
✓	Walkway/Ladders - check for any damage
Lubrication:	
✓	Chain lube oil tank level
✓	Grease at all grease point
Hydraulic System:	
✓	Check all hydraulic Hoses for damage, leaks or wear
✓	Fitting & coupling condition
✓	Check accumulators for correct precharge:
	Upper Traction 380 psi
	Middle Traction 380 psi
	Lower Traction 380 psi
	Outside Tension 380 psi
ins:	
✓	Chains in clean condition
✓	Check chain, rollers, bearings, pins & gripper blocks condition
✓	Check chain alignment
✓	Check for unusual noise when running
Chain Tensioner System:	
✓	Check all sprockets for wear and damage
✓	Grease all bearings - drive and idler sprocket
✓	Check cylinders for wear and damage
Drive Motor & Gear Box:	
✓	Check gearbox lubricant level
✓	Function test drive and brake system
✓	Check for any leak or damage
Gooseneck:	
✓	Check gooseneck alignment (prior to stab in)
✓	Check gooseneck rollers for damages
✓	Check linkages, pins, locking, covers and supports condition

Running Feet :	
Date : 28/8/24	
Y	N Checklist
Recording & Monitoring Devices:	
✓	Check operation & condition of friction wheel
✓	Electronics - check cables/connectors condition
✓	Depth counter - check alignment and condition
✓	Depth encoder - check condition and function test
✓	Wellhead pressure transducer - check condition
✓	Secure Load Cell - weight off load cell
Certifications:	
	Sling condition/ Due on 11-2024
	MPI due 11-2025
	Visual Test due 11-2024

Please state the equipment readiness

Ready

Not Ready

- Unit is ready for next job

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

Preventive Maintenance

Corrective Maintenance

NAME

POSITION

EXAMINER SIGNATURE

VERIFIED BY

Fairuddin

GEO

lurh

J

M. TAUFIQ

DIMENSION BID

Equipment Maintenance Checklist 1

PRE JOB	LOCATION	ON JOB	LOCATION	POST JOB	LOCATION
☒		☒	DL-A		

Equipment type : Equipment Transport Basket

Equipment number : ETB 02

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
- ☒ Ensure safety pin available for securing equipment inside ETB

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
- ☒ All protection caps and ID tags in place.

Corrosion, Dent, Defects in Weld

- ☒ Check for rust in weld, no leaks

Safety Equipment and Certification

- ☒ Visual inspection of all pad eyes and lifting gear
- ☒ Safety guards and rail in working condition

Location Mob/Demob : DL-A

Date : 28/8/24

Y N Checklist

Certifications:

- Sling condition/ Due on Nov 28/24
- MPI due Oct 25
- Visual Test due Nov 24

Please state the equipment readiness

Ready

Not Ready

Maintenance type done (Please state if any spare used)

Preventive Maintenance

Corrective Maintenance

NAME

Fairuddin

POSITION

GEO

EXAMINER SIGNATURE

Fairuddin

VERIFIED BY

F M. TAUFIQ

DIMENSION BID

Equipment Maintenance Checklist 1		PRE JOB	LOCATION	ON JOB	LOCATION	POST JOB	LOCATION																																																																																																																																																																																																				
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DIMENSION BID

Equipment Maintenance Checklist 1		PRE JOB	LOCATION	ON JOB	LOCATION	POST JOB	LOCATION
		✓	DL-A	✓	DL-A		
Equipment type : CTU Control Cabin		Location Mob/Demob : DL-A					
Equipment number : CTU / CC / 01		Date : 28/8/24					
Y	N	Checklist					
Appearance & Safety Equipment:							
✓		Ensure unit is clean					
✓		Skid condition - visually check for any damage					
✓		Fire extinguisher is present and certified					
Cabin - General:							
✓		Inspect hoses for excessive wear					
✓		Check all attaching hardware for tightness					
✓		Check under panels for sign of leaking hoses					
✓		Check hoses for signs of weeping					
✓		Inspect cabling and fittings for excessive wear/damage					
✓		Check horn operation					
✓		Check internal and external lighting is operational					
✓		Lighting system all in working condition					
✓		Windscreen in good condition (No crack or damage)					
✓		Air conditioner working in good condition					
✓		Frame locking pins					
✓		Clean Cabin Interior					
✓		Secure all drain plug					
✓		Roof in good condition / Door needs need to put rubber					
✓		Electronics & electrical system in good condition					
✓		Computers and monitor in working condition/secured					
NA		Condition/Operation of rain cap					
NA		Condition of exhaust wrap					
Controls:							
✓		Function test emergency kill					
✓		Function test engine shut-down					
✓		Manual stripper control in working condition					
✓		Manual BOP control in working condition					
✓		Chain tension and traction in working condition					
✓		Injector chains lube valve in working condition					
✓		Injector Head in working condition					
✓		Levelwind override clutch and raise/lower condition					
✓		Reel drive in working condition					
✓		Reel brake in working condition					
Please state the equipment readiness							
Ready				Not Ready			
- Unit is ready but when rain come, water splash into cabin through main door. Need to put floor rubber once unit coming back to KSB							
Maintenance type done (Please state if any spare used)							
Preventive Maintenance				Corrective Maintenance			
NAME		POSITION		EXAMINER SIGNATURE		VERIFIED BY	
Zaimuddin		GEO		Indi		J M. TAUFIQ	

DIMENSION BID

Equipment Maintenance Checklist 1		PRE JOB ☒	LOCATION ☐	ON JOB ☒	LOCATION ☐	POST JOB ☐	LOCATION ☐
Equipment type : Single BOP Shear/Seal		Location Mob/Demob : <u>Dulang A</u>					
Equipment number : <u>CT/5BOP101</u>		Date : <u>28/8/24</u>					
Y	N	Checklist					
Appearance & Safety Equipment:							
☒	☐	Ensure unit is clean					
☒	☐	Visually check for any damage					
☒	☐	Guard and shield in place					
Rams & Body:							
☒	☐	Check for any damage. Thoroughly clean the unit.					
☒	☐	Inspect all blades condition					
☒	☐	Equalizing valve - inspect and clean					
☒	☐	Check all seals condition					
☒	☐	Visual check of bottom O-ring / back-up					
☒	☐	Visual check of bottom ring gasket BX155					
Hydraulics & BOP Functions:							
☒	☐	Check hydraulic hoses and connectors condition					
☒	☐	Check condition of hose canvas					
☒	☐	Manual lock - grease and function test					
☒	☐	Ram functions - cycle all rams (open & close)					
☒	☐	Indicators/ pins - ensure full movement					
☒	☐	Ram equalizing valve - function test					
Pressure Test:							
☒	☐	Blind/Shear ram to 5000psi for 10 min					
☒	☐	Body to 5000psi for 10 min					
X-Over:							
☒	☐	BX155 Flange x CB44 Pin - Valid on certification					
☒	☐	BX155 Flange x CB44 Box - Valid on certification					
Connections:							
☒	☐	Studs, bolts and nuts for flanges - clean and check condition					
☒	☐	2 1/16" to Fig1502 thread installed and pressure tested					
☒	☐	Lifting cap installed - Clean and grease					
☒	☐	Grease CB44 Pin & box connection					
☒	☐	Thread / Flanges protectors - installed					
Please state the equipment readiness							
Ready				Not Ready			
Maintenance type done (Please state if any spare used)							
Preventive Maintenance				Corrective Maintenance			
NAME <u>Fairuddin</u>		POSITION <u>GE0</u>		EXAMINER SIGNATURE <u>[Signature]</u>		VERIFIED BY <u>[Signature]</u>	

DIMENSION BID

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DIMENSION BID

Equipment Maintenance Checklist 1

PRE JOB	LOCATION	ON JOB	LOCATION	POST JOB	LOCATION

Equipment type : Extension Frame

Equipment number : E

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
		All protection caps and ID tags in place.
Corrosion, Dent, Defects in Weld		
☒		Check for rust in weld, no leaks
Safety Equipment and Certification		
☒		Visual inspection of all pad eyes and lifting gear
☒		Safety guards and rail in working condition

Location Mob/Demob : DULANG A

Date : 28/8/24

Y	N	Checklist
Certifications:		
		Sling condition/ Due on <u>Mr JF</u>
		MPI due <u>Mr JF</u>
		Visual Test due <u>Mr JF</u>

Please state the equipment readiness

Ready

Not Ready

- Unit is ready

Maintenance type done (Please state if any spare used)

Preventive Maintenance

Corrective Maintenance

NAME

POSITION

EXAMINER SIGNATURE

VERIFIED BY

Zaiduddin

GEO

Lucia

J M. TAUFIQ

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Please state the equipment readiness

Ready	Not Ready
- Unit is ready for next job	

Maintenance type done (Please state if any spare used)

Preventive Maintenance	Corrective Maintenance

NAME

Fairuddin

POSITION

GEO

EXAMINER SIGNATURE

[Signature]

VERIFIED BY

J M. TAUSIQ

DIMENSION BID

Equipment Maintenance Checklist 1

PRE JOB	LOCATION
☒	DL-A

ON JOB	LOCATION
☒	DL-A

POST JOB	LOCATION

Equipment type : Single Pump Unit		
Location Mob/Demob : DL-A		
Equipment number : PG 002		
Y	N	Checklist
Appearance & 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:		
☒		Check engine oil level (SAE 15W-40) not be milky or too dark
☒		Check any general leaks on all filter hoses, and connectors.
☒		Check fan, hub, fanbelt condition/tension
☒		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 and emergency kill tested
☒		Check converter lock-up (if applicable)
☒		Check all gauges are in good condition and working
☒		Check (Rate-RPM) and (Pressure-OPS) condition
☒		Throttle control in good condition
☒		OPSD tested
Exhaust System:		
☒		Pipework - check for any leak or damage
☒		Condition/Operation of exhaust flapper
☒		Condition of exhaust wrap are in place and in good condition
Transmission, PTO & Drivelines:		
☒		Tighten all drive shaft bolts in full (SAE 90)
☒		Start & idle engine (5-Min) recheck oil level
☒		Listen for excessive noise at PTO
☒		Condition of transmission hoses & fittings
☒		Grease U-joint & propeller shaft
Hydraulic System:		
☒		Check Hyd. Hoses/valve/connections undamaged 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%
☒		Drain 1 litre fuel from drain valve

Running Hours : 1728		
Date : 28/8/24		
Y	N	Checklist
Air System:		
☒		Check visible leaks
☒		Gauges in good condition
☒		Air reservoir/tanks - drain any water until that are clean
☒		Air hose, connections, piping, valves and actuators condition
☒		All pneumatic control valve working properly
Air Cleaner:		
☒		Check the element for water or soot and clean as required
Electronic Recording & Monitoring Devices:		
☒		Check all sensors condition
☒		Check pump controls, rate and pressure devices.
☒		Cables/connectors condition
☒		Acquisition - check communication with software/hardware (if applicable)
Zone II System:		
☒		Flame traps - check cleanliness
☒		Air intake valve (flapper) - check condition
☒		Spark arrestor - check condition
Power End & Chain Case:		
☒		Check power end oil level & condition (SAE90)
☒		Check chaincase oil level / Leaks (SAE40)
☒		Grease chaincase bearing
☒		Check hoses conditions for any leak
☒		Check condition of breather
Fluid End:		
☒		Check plungers condition. Plungers tight to pony rod.
☒		Pressure sensor in place
☒		Check plungers lubrication
☒		Check lubrication (packing tank oil level)
C-Pump & Piping:		
☒		Check C-Pump operation and record shut in pressure (>25 psi)
☒		Grease butterfly valve
☒		Check piping conditions and remove any dirt
System Pressure:		
		Fuel pressure @ idle speed _____ psi
		Fuel pressure @ 1800 RPM _____ psi
		Oil pressure @ cold start _____ psi
		Oil pressure @ 180deg.F _____ psi
Certifications:		
		Sling condition/ Due on Nov 24
		MPI due Nov 24
		Visual Test due Nov 24

Please state the equipment readiness

Ready	Not Ready
- Unit is ready for job	

Maintenance type done (Please state if any spare used)

Preventive Maintenance	Corrective Maintenance

NAME	POSITION	EXAMINER SIGNATURE	VERIFIED BY
Fairuddin	GEO	<i>[Signature]</i>	J M. TAUPA

DIMENSION BID

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DIMENSION BID

Equipment Maintenance Checklist 1		PRE JOB	LOCATION	ON JOB	LOCATION	POST JOB	LOCATION
		☒		☒	DL-A		
Equipment type : Batch Mixer Tank		Location Mob/Demob : DL-A					
Equipment number : CTG/BMP/DI		Date : 28/8/24					
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					
Please state the equipment readiness							
Ready				Not Ready			
<i>- Bm Tank is clean and ready for next job</i>							
Maintenance type done (Please state if any spare used)							
Preventive Maintenance				Corrective Maintenance			
NAME		POSITION		EXAMINER SIGNATURE		VERIFIED BY	
Ismuddin		GEO		<i>Ischi</i>		J M. TAURIS	