

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

Objectives:

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):

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

MENTOR / ASSESSOR's Comments & Recommendation:

Able to stand alone supervise CTU operation

Signature		Assessment Date	6-7-2024
Name	MD. TAUFIQ BIW ISMAIL	Position	FIELD SPECIALIST

FSM / OM Comments & Recommendation:

Completed advance CT job.

Signature	<u>glib</u>	Assessment Date	11/8/24
Name	MUHO KHAIROL FIDHIAN AZIZAN	Position	FSM

Equipment Maintenance Checklist 1		PRE JOB	LOCATION	ON JOB	LOCATION	POST JOB	LOCATION
						X	ANGS BEAR
Equipment type : Downhole Tools		Location Mob/Demob : OPEN YARD					
Equipment number :		Date : 4-7-2024					
Y	N	Checklist					
Tasks							
		Clean and dissamble entire tool					
		Visually inspect all seal for scratches					
		Visually inspect threads for damage					
		Visually inspect all components for cracks and pitting					
		Replace all elastomers (oring, seal rings, elements)					
		Replace all shear screws					
		Visually inspect all set screws					
		Replace check valve springs and pins					
		Ball seat condition					
		Lubricate all threads					
		Tool dressed as per Tech Unit(with Lubricant)					
		Pressure test 5000K psi					
		Drift Ball OD :					
		Drift Tool OD					
		Make sure all shear and set screws are tapped					
		Replace all set screws					
		Dimensional Inspection Points as per Tech Unit					
		Perform MPI Testing					
Please state the equipment readiness							
Ready				Not Ready			
				1. Tool need to Check 2. Need to functi redness, function test and pressure test. 3. Tool corrosion and need to buffing and paint with red.			
Maintenance type done..(Please state if any spare used)							
Preventive Maintenance				Corrective Maintenance			
NAME		POSITION		EXAMINER SIGNATURE		VERIFIED BY	
Firman C		GEO		[Signature]		[Signature]	

DIMENSION BID

Equipment Maintenance Checklist 1		PRE JOB	LOCATION	ON JOB	LOCATION	POST JOB	LOCATION
Equipment type : Nitrogen Converter						✓	open yard
Location Mob/Demob : Anasi Besar							
Equipment number : C40/NU/81							
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 at radiator					
✓		Check coolant level & condition at expansion tank					
✓		Check visible leaks					
✓		Radiator hose & clamp condition					
✓		Check fan belt tension & fan 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 all controls in good condition					
✓		Check all gauges are in good condition and working					
✓		Check (Rate+RPM) and (Pressure+OPS) condition					
✓		Check RPM, LN2 and GN2 discharge pressure					
✓		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					
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% (if applicable)					
✓		Drain 1 litre fuel from drain valve					
Running Hours : 2231							
Date : 21-7-2024							
Y	N	Checklist					
Air System:							
✓		Check any visible leaks					
✓		Gauges in good condition					
✓		Air reservoir / tanks - drain any water					
✓		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					
Zone II System:							
✓		Flame traps - check cleanliness					
✓		Air intake valve (flapper) - check condition					
✓		Spark arrestor - check condition					
N2 Vaporizer & Heat Exchanger:							
✓		Check for leaks or damages					
✓		Check piping for leaks or damages					
Booster Pump:							
✓		Check C-Pump operation and condition					
✓		Check hoses, connections and seals condition					
✓		Suction strainer - check for leaks					
✓		Proximity switch & cable in good condition					
✓		Grease the bearings					
Cold End & Warm End:							
✓		Check for leaks or damages					
✓		Check operation - frost uniformly during cool down					
✓		Check lubrication level - when engine at idle					
Gearbox, PTO & Drivelines:							
✓		Sight glass shows in full (SAE 90)					
✓		Start & idle engine (5- Min) recheck oil level					
✓		Listen for excessive noise at PTO					
✓		Check hoses, connections and seals condition					
✓		Check all bearings and U-joint grease points					
System Pressure:							
NA		Fuel pressure @ idle speed _____ psi					
NA		Fuel pressure @ 1800 RPM _____ psi					
✓		Oil pressure @ cold start 70 psi					
✓		Oil pressure @ 180deg.F 65 psi					
Certifications:							
✓		Sling condition/ Due on Nov 2024					
✓		MPI due Feb 2025					
✓		Visual Test due Nov 2024					
Please state the equipment readiness							
Ready				Not Ready			
Ready for job							
Maintenance type done. (Please state if any spare used)							
Preventive Maintenance				Corrective Maintenance			
NAME		POSITION		EXAMINER SIGNATURE		VERIFIED BY	
Firman		GEO		[Signature]		[Signature] Tautiq	

DIMENSION BID

Equipment Maintenance Checklist 1		PRE JOB	LOCATION	ON JOB	LOCATION	POST JOB	LOCATION																																																																																																														
Equipment type : CTU N2 Tank						✓	✓																																																																																																														
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Equipment Maintenance Checklist 1		PRE JOB	LOCATION	ON JOB	LOCATION	POST JOB	LOCATION
Equipment type : Toolbox Container						✓	Open Yard
Equipment number : 20770/02							
Y	N	Checklist					
Appearance & Safety Equipment:							
✓		Ensure unit is clean					
✓		Physically check body and roof for any damage/leak					
✓		Working table in good condition					
✓		Wise grip safe to use					
✓		Fire extinguisher is present and certified					
Inventory:							
✓		Tools arrange in proper place					
✓		Check for tools condition for damages					
✓		Inventory list up to date					
Electrical System:							
✓		Check all cables and sockets in good condition					
✓		Visual check lamp condition					
✓		Equipment is grounded					
✓		Ensure power breaker in good condition before powering up					
Location Mob/Demob: Angli Besar							
Date: 4-7-2024							
Y	N	Checklist					
Lifting Devices							
✓		Inspection on shackles and pins, slings and lugs					
✓		MPI on pad eye if necessary					
Certifications:							
✓		Sling condition/ Due on Nov 2024					
✓		MPI due Feb 2025					
✓		Visual Test due Nov 2024					
Please state the equipment readiness							
Ready				Not Ready			
Ready for job							
Maintenance type done. (Please state if any spare used)							
Preventive Maintenance				Corrective Maintenance			
NAME: Firmam							
POSITION: GEO							
EXAMINER SIGNATURE: [Signature]							
VERIFIED BY: [Signature]							

DIMENSION BID

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DIMENSION BID

Equipment Maintenance Checklist 1		PRE JOB	LOCATION	ON JOB	LOCATION	POST JOB	LOCATION																																																																													
Equipment type : Junction Box						✓	Open Yard																																																																													
Equipment number : C10-SVB-02																																																																																				
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NAME		POSITION		EXAMINER SIGNATURE		VERIFIED BY																																																																														
Firman		GEO		[Signature]		[Signature] Intio																																																																														

DIMENSION BID

Equipment Maintenance Checklist 1		PRE JOB	LOCATION	ON JOB	LOCATION	POST JOB	LOCATION
						✓	Open Yard
Equipment type : Genset		Running Hours : 1108.01 H					
Location Mob/Demob : Aggr. 6064r		Date : 1-7-2024					
Equipment number : NBS-65-60KVA-001							
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					
NA		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 milty 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					
Air Cleaner:							
✓		Check the element for water or soot and clean as required					
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					
✓		Condition of exhaust wrap are in place and in good condition					
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					
Please state the equipment readiness							
Ready				Not Ready			
Ready to job							
Maintenance type done.(Please state if any spare used)							
Preventive Maintenance				Corrective Maintenance			
NAME		POSITION		EXAMINER SIGNATURE		VERIFIED BY	
Firman		GEO		[Signature]		[Signature] TAI KLO	

DIMENSION BID

Equipment Maintenance Checklist 1

PRE JOB	LOCATION	ON JOB	LOCATION	POST JOB	LOCATION
				✓	Open Yard

Equipment type : Air Compressor	
Location Mob/Demob : Aug 6 th 2024	
Equipment number : ND-19-190-007	
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:	
✓	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
Air Cleaner:	
✓	Check the element for water or soot and clean as required
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
✓	Condition of exhaust wrap are in place and in good condition
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 : 232	
Date : 4-7-2024	
Y	N Checklist
Air System:	
✓	Check visible leaks
✓	Check all element on air flow system (compressor, separator)
✓	Air hose, connections, piping and valves condition
MA	All pneumatic control valve working properly
✓	All gauges in good condition
✓	Check compressor oil level at sight glass
Zone II System:	
✓	Flame traps - check cleanliness
✓	Air intake valve (flapper) - check condition
✓	Spark arrestor - check condition
System Pressure:	
MA	Fuel pressure@idle speed = psi
MA	Fuel pressure@1800 RPM = psi
✓	Oil pressure @ cold start 70 psi
✓	Oil pressure @ 180deg.F 65 psi
Certifications:	
✓	Sling condition/ Due on NOV 2024
✓	MPI due August 2025
✓	Visual Test due NOV 2024

Please state the equipment readiness

Ready	Not Ready
Ready to job	

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

Preventive Maintenance	Corrective Maintenance

NAME	POSITION	EXAMINER SIGNATURE	VERIFIED BY
Firman	CEO		

DIMENSION BID

Equipment Maintenance Checklist 1		PRE JOB	LOCATION	ON JOB	LOCATION	POST JOB	LOCATION
						✓	Open Yard
Equipment type : DID2000 Reel Frame		Location Mob/Demob: Aug 91 - 82801					
Equipment number : 7070101		Date : 8-7-2024					
Y	N	Checklist					
Appearance & Safety Equipment:							
✓		Ensure unit is clean					
✓		Physically check frames and skid for damages					
✓		Check walkway/ladder for any damages					
✓		Loads secured					
✓		Ensure anti slip installed at walkway/ladder					
Swivel and Fluid Manifold:							
✓		Manifold complete and secured					
✓		Grease plug valves and chiksans					
✓		Swivel bolts in place					
✓		Pressure test as required					
Reel Drive System:							
✓		Check drive chains condition and lubricate accordingly					
✓		Check chain case oil level					
✓		Grease main bearing accordingly					
✓		Check hydraulic hoses and connections for leaks/damages					
Reel Brake System:							
✓		Check for any damages					
✓		Test reel brake and drive system					
✓		Check drive chain tension					
Levelwind:							
✓		Test override clutch system					
✓		Check chains and leadscrew condition and operation					
✓		Visual check leadscrew yoke & leadcrew					
✓		Correct level wind sprocket for tubing					
✓		Check level wind trolley condition					
✓		Function test levelwind arm (up/down)					
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	
Firman		GEO		[Signature]		[Signature]	

Equipment Maintenance Checklist 1		PRE JOB	LOCATION	ON JOB	LOCATION	POST JOB	LOCATION																																																																			
Equipment type : DSQ4 Side Door Stripper						☒	open yard																																																																			
Equipment number : CTU/SPS/01																																																																										
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DIMENSION BID

Equipment Maintenance Checklist 1

PRE JOB	LOCATION

ON JOB	LOCATION

POST JOB	LOCATION
✓	Open Yard

Equipment type : Dual Combi BOP	
Equipment number : CU / BOP / 01	
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:	
✓	Pipe/Slip to 5000psi for 10 min
✓	Blinde/Shear ram to 5000 psi for 10 min
✓	Body to 5000 psi for 10 min
X-Overs:	
✓	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

Location Mob/Demob : Anggi Besar	
Date : 25-7-2024	
Y	N
Checklist	
Certifications:	
✓	Sling condition/ Due on NOV 2024
✓	MPI due Feb 2025
✓	Visual Test due Nov 2024

Please state the equipment readiness

Ready

Not Ready

Ready for job

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

Preventive Maintenance

Corrective Maintenance

NAME

POSITION

EXAMINER SIGNATURE

VERIFIED BY

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Rev. No.: 01

Effective Date: 01/02/2022

Rev.00, Dated: 02/11/16 OBSOLETE

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DIMENSION BID

Equipment Maintenance Checklist 1

PRE JOB	LOCATION	ON JOB	LOCATION	POST JOB	LOCATION
				✓	Open Yard

Equipment type : Single BOP Shear/Seal
Equipment number : C7U / S BOP 101

Location Mob/Demob : Anasi Bx Sar
Date : 4-7-2024

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-Overs:		
✓		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

Y	N	Checklist
Certifications:		
✓		Sling condition/ Due on 11-2024
✓		MPI due Feb 2025
✓		Visual Test due 11-2024

Please state the equipment readiness

Ready

Not Ready

Ready to job

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

Preventive Maintenance

Corrective Maintenance

Need to address

NAME	POSITION	EXAMINER SIGNATURE	VERIFIED BY
Firman	CEO	[Signature]	[Signature]

Doc. Ref. No.: CTS-FORM-19

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DIMENSION BID

Equipment Maintenance Checklist 1

PRE JOB	LOCATION

ON JOB	LOCATION

POST JOB	LOCATION
✓	Open Yard

Equipment type : CTU Injector Head HR680		
Location Mob/Demob : Argent Beach		
Equipment number : 020 / 1H / 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 320 psi
Chains:		
✓		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 : 180		
Date : 1-7-2024		
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

Ready to job

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

Preventive Maintenance

Corrective Maintenance

Perform maintenance

NAME

POSITION

EXAMINER SIGNATURE

VERIFIED BY

Farman

GEO

[Signature]

[Signature]

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Rev. No.: 01

Effective Date: 01/02/2022

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DIMENSION BID

Equipment Maintenance Checklist 1

PRE JOB	LOCATION

ON JOB	LOCATION

POST JOB	LOCATION
✓	Open Yard

Equipment type : Equipment Transport Basket
Equipment number : E+V 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 : Augsi Besar
Date : 1-7-2024

Y	N	Checklist
Certifications:		
✓		Sling condition/ Due on Nov 2024
✓		MPI due Oct 2025
✓		Visual Test due Nov 2024

Please state the equipment readiness

Ready

Not Ready

Ready to job

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

Preventive Maintenance

Corrective Maintenance

NAME: Farman	POSITION: GEO	EXAMINER SIGNATURE: [Signature]	VERIFIED BY: [Signature]
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Effective Date: 01/02/2022			

DIMENSION BID

Equipment Maintenance Checklist 1		PRE JOB	LOCATION	ON JOB	LOCATION	POST JOB	LOCATION
Equipment type : Jacking Frame						✓	Open Yard
Equipment number : CTO/JF/01							
Location Mob/Demob : August 16 th 2024							
Date : 4-7-2024							
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					
✓		Check for leakages					
✓		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			
Ready for job							
Maintenance type done. (Please state if any spare used)							
Preventive Maintenance				Corrective Maintenance			
NAME		POSITION		EXAMINER SIGNATURE		VERIFIED BY	
Forman		CEO		[Signature]		[Signature] Tarko	

DIMENSION BID

Equipment Maintenance Checklist 1

PRE JOB	LOCATION

ON JOB	LOCATION

POST JOB	LOCATION
✓	Open Yard

Equipment type : CTU Batch Mixer	
Location Mob/Demob : Agus Besar	
Equipment number : CTU / KMP / 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 Inspection:	
✓	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 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
✓	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 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% (If applicable)
✓	Drain 1 litre fuel from drain valve

Running Hours : 56 hrs	
Date : 4-7-2024	
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 / Aggitator:	
✓	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 70 psi
✓	Oil pressure @ 180deg.F 70 psi
Certifications:	
	Sling condition/ Due on _____
	MPI due _____
	Visual Test due _____

Please state the equipment readiness

Ready

Not Ready

Ready to job

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

Preventive Maintenance

Corrective Maintenance

Perform Base Maintenance

NAME

POSITION

EXAMINER SIGNATURE

VERIFIED BY

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

Rev. No.: 01

Effective Date: 01/02/2022

Rev. 00, Dated: 01/11/18- OBSOLETE

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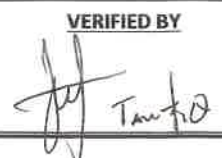
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DIMENSION BID

Equipment Maintenance Checklist 1		PRE JOB	LOCATION	ON JOB	LOCATION	POST JOB	LOCATION
Equipment type : Single Pump Unit						✓	Open yard
Location Mob/Dernob : Aug 1 B-sar							
Equipment number : 100 002							
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					
NA		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:							
✓		Sight glass/dipstick shows 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					
NA		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 : 134 H							
Date : 4-7-2024							
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					
NA		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)					
NA		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:							
NA		Fuel pressure@idle speed _____ psi					
NA		Fuel pressure@1800 RPM _____ psi					
✓		Oil pressure @ cold start 30 psi					
✓		Oil pressure @ 180deg.F 30 psi					
Certifications:							
✓		Sling condition/ Due on NOV 2024					
✓		MPI due NOV 2024					
✓		Visual Test due NOV 2024					
Please state the equipment readiness							
Ready				Not Ready			
→ Ready for job							
Maintenance type done..(Please state if any spare used)							
Preventive Maintenance				Corrective Maintenance			
NAME		POSITION		EXAMINER SIGNATURE		VERIFIED BY	
Firman L		GEO		[Signature]		[Signature] Tania	

Equipment Maintenance Checklist 1		PRE JOB	LOCATION	ON JOB	LOCATION	POST JOB	LOCATION
						✓	Open Yard
Equipment type : CTU Power Pack		Running Hours : 1619 Hours 9388					
Location Mob/Demob : Agus Besar		Date : 4-7-2024					
Equipment number : CTU/PP/01							
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 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					
Air Cleaner:							
✓		Check the element for water or soot and clean as required					
Controls / Instrumentation:							
✓		Normal kill and emergency kill tested					
✓		Check all controls condition					
✓		Check all gauges are in good condition and working					
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					
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%					
✓		Drain 1 litre fuel from drain valve					
Electrical System							
✓		Check batteries condition and voltage					
✓		Check alternator belt- 1/2-in to 3/4-in yield and wiring					
✓		Cables/connectors condition					
✓		Retie and clean cables/connectors connection					
Air System:							
✓		Check visible leaks					
✓		Air reservoir - drain any water					
✓		Air hose, connections, piping, valves and actuators condition					
✓		All pneumatic control valve working properly					
✓		Gauges in good condition					
Zone II System:							
✓		Flame traps - check cleanliness					
✓		Air intake valve (flapper) - check condition					
✓		Spark arrestor - check condition					
Accumulator:							
✓		Priority 1400 psi (Prior to load out)					
✓		BOP 1400 psi (Prior to load out)					
✓		Charge 1800 psi (Prior to load out)					
Hydraulic System Pressure:							
✓		Priority circuit 2800 psi					
✓		BOP circuit 2800 psi					
✓		Levelwind circuit 2900 psi					
✓		Auxiliary Circuit 2800 psi					
✓		Reel Circuit 2800 psi					
✓		Injector circuit 2800 psi					
System Pressure:							
✓		Fuel pressure @ idle speed psi					
✓		Fuel pressure @ 1800 RPM psi					
✓		Oil pressure @ cold start 70 psi					
✓		Oil pressure @ 180deg.F 80 psi					
Certifications:							
✓		Sling condition/ Due on NOV 2024					
✓		MPI due NOV 2025					
✓		Visual Test due NOV 2024					
Please state the equipment readiness							
Ready				Not Ready			
- Unit in good condition - Ready for job							
Maintenance type done. (Please state if any spare used)							
Preventive Maintenance				Corrective Maintenance			
For forum base maintenance							
NAME		POSITION		EXAMINER SIGNATURE		VERIFIED BY	
Firman		GEO		[Signature]		[Signature]	

DIMENSION BID

Equipment Maintenance Checklist 1		PRE JOB	LOCATION	ON JOB	LOCATION	POST JOB	LOCATION
						✓	Open Yard
Equipment type : CTU Control Cabin		Location Mob/Demob : ANSI BCSA					
Equipment number : CTU/CC/01		Date : 4-7-2024					
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					
✓		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 Ready to Operation							
Maintenance type done. (Please state if any spare used)							
Preventive Maintenance				Corrective Maintenance			
Perform basic maintenance							
NAME F. M. M.		POSITION GEO		EXAMINER SIGNATURE 		VERIFIED BY 	
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Rev. No.: 01							
Effective Date: 01/02/2022							
(Rev. 00, Dated: 01/11/16-OBSOLETE)							

DIMENSION BID

Equipment Maintenance Checklist 1		PRE JOB	LOCATION	ON JOB	LOCATION	POST JOB	LOCATION
						✓	upon yard
Equipment type : Iron Rack		Location Mob/Demob : Aug 51 B-501					
Equipment number : CTU / 12/102		Date : 4-7-2024					
Y	N	Checklist					
Appearance & Safety Equipment:							
✓		Ensure unit is clean					
✓		Physically check frames and skid for damages					
✓		Loads secured					
Inventory:							
✓		Swivel 2 ways 2" male x 2" fem. 1502 <u>10</u> pcs					
✓		Swivel 3 ways 2" male x 2" fem. 1502 <u>5</u> pcs					
✓		Swivel double wing <u>2</u> pcs					
✓		Grant C/V 2" male x 2" fem. 1502 <u>1</u> pcs					
✓		Plug valve 2" x 2" <u>12</u> pcs					
✓		Plug valve 2" x 1" <u>5</u> pcs					
✓		Tee 2" <u>6</u> pcs					
✓		Double thread <u>2</u> pcs					
✓		Double wing <u>2</u> pcs					
✓		Pup-joints, 4ft <u>4</u> pcs					
✓		Straight Joints, 10ft <u>10</u> pcs					
✓		Straight Joints, 8ft <u>6</u> pcs					
✓		Loops <u>1</u> pcs					
✓		Lateral <u>1</u> pcs					
✓		Safety cable ,Shackle & cable clip					
Please state the equipment readiness							
Ready				Not Ready			
Ready For job.							
Maintenance type done. (Please state if any spare used)							
Preventive Maintenance				Corrective Maintenance			
NAME		POSITION		EXAMINER SIGNATURE		VERIFIED BY	
Firman		CEO		[Signature]		[Signature] Tarko	