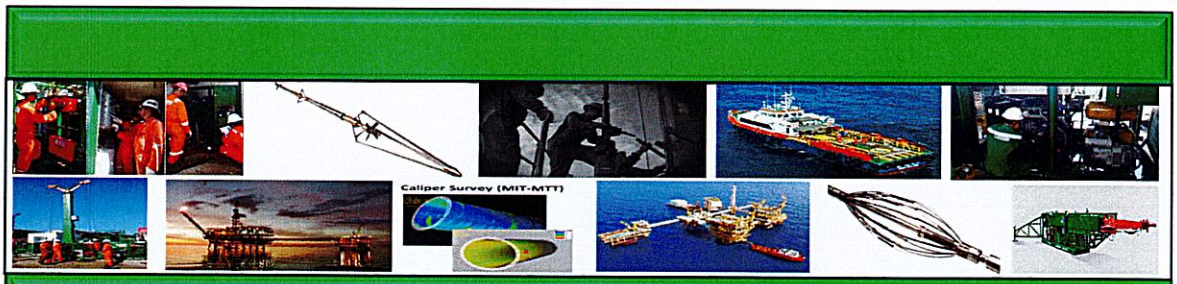
DIMENSION BID
WELL INTERVENTION | PERFORATION SERVICES



CASED HOLE SERVICES DEVELOPMENT PLAN

JFO > FO PROMOTION BOOKLET

FULL NAME:	KEITH RAMBA.
JOINED DATE:	
CONFIRMATION DATE:	
REGION:	EMO LABUAN
DEVISION:	CHS.
CONTROL DATE:	31 MAY 2024.

DIMENSION BID
WELL INTERVENTION | PERFORATION SERVICES

CASED HOLE SERVICES DEVELOPMENT PLAN
JFO > FO PROMOTION BOOKLET

JFO Control Process

FO expectation are set according to your location requirements, but below you will find some guidelines as minimum requirement to help you succeed in the process.
JFO shall expect to do their FO control within 5 trips or 12-18 months after joining Dimension Bid Sdn. Bhd. JFO must have mastery in basic knowledge in order meet competency level to CHS common services.

The path for JFO to prepare for FO control will be:

1. Complete task/reports as following:

    a. Operator task
    b. Offshore feedback report
    c. Completed JFO Training & Exam Module

2. Complete paperwork as following:

    a. JFO Evaluation Sheet (JFOES)
    b. JFO Technical Evaluation Sheet (JFOTES)
    c. JFO Evaluation Checklist (JFOEC)

JFO need to prepare 1 HSSE presentation. They do not have to be self-made. You can use presentation from supplier, training presentation or from others. Target audience to be presented are Engineer, Operators or Support Role at your Location. The management will evaluate the presentation and sign off your control sheet once the presentation have been done. Please practice your presentations and expect questions from audience.

After successfully passing the Management Control and Review, JFO should hand in the complete package of promotion to HR

DIMENSION BID
WELL INTERVENTION | PERFORATION SERVICES

JUNIOR FIELD OPERATOR EVALUATION SHEET
CASED HOLE SERVICES

JUNIOR FIELD OPERATOR DETAILS

FULL NAME	SENIORITY DATE
KEITH RAMBA	

REGION	DIVISION	UNIT/SECTION	LOCATION	CONFIRMATION DATE
~~WMO~~ EMO	CHS	ELINE	~~KEMAMAN~~ LABUAN	

SAFETY	A	B	C	ASSESSED BY	DATE
DB HSE Policy	☑	☐	☐	FARIS	31/3/24
CHS Risk Assesment and Hazard Identification	☑	☐	☐	FARIS	31/3/24
Field Safety and PTW Familiarization	☑	☐	☐	FARIS	31/3/24

EXPLOSIVES SAFETY	A	B	C	ASSESSED BY	DATE
Introduction to Explosive Safety	☑	☐	☐	FARIS	31/3/24
Safe Explosive Materials Handling	☑	☐	☐	FARIS	31/3/24
Explosive SOP/Guideline	☑	☐	☐	FARIS	31/3/24

Custodian Name and Position: FARIS FSM, CHS — Custodian Signature/Date: 31/3/24

SERVICE QUALITY	A	B	C	ASSESSED BY	DATE
Basic Knowledge of E-line Services	☑	☐	☐	FARIS	31/3/24
Tools and Equipment Handling	☑	☐	☐	FARIS	31/3/24

Custodian Name and Position: FARIS FSM, CHS — Custodian Signature/Date: 31/3/24

PERSONAL QUALITY	A	B	C	ASSESSED BY	DATE
Learning Initiative	☑	☐	☐	FARIS	31/3/24
Time Discipline	☑	☐	☐	FARIS	31/3/24
Command/Instruction Handling	☑	☐	☐	FARIS	31/3/24
Self Confident	☑	☐	☐	FARIS	31/3/24

	A	B	C	ASSESSED BY	DATE
Field Operations Readiness Status	☑	☐	☐	FARIS	31/3/24
Stress Management	☑	☐	☐	FARIS	31/3/24
Communication Skills - Writing	☐	☑	☐	FARIS	31/3/24
Communication Skills - Speaking	☑	☐	☐	FARIS	31/3/24

Custodian Name and Position: FARIS FSM, CHS — Custodian Signature/Date: 31/3/24

MANAGEMENT / ADMINISTRATION	A	B	C	ASSESSED BY	DATE
Inventory Planning	☑	☐	☐		
Materials Planning	☑	☐	☐		

	A	B	C	ASSESSED BY	DATE
Inspection Knowledge	☑	☐	☐		
QMS and ISO Knowledge	☐	☑	☐		

Custodian Name and Position: FARIS FSM, CHS — Custodian Signature/Date: 31/3/24

MANAGER'S COMMENTS *Specify the candidate main strong points and development areas*

Eligible for promotion to FO.

CANDIDATE'S COMMENTS *Add comments about the support you have received form your tutor/location*

RECOMMENDED FOR NEXT POSITION ? YES ☐ NO ☐ Remark : If NO, please submit e-mail to FSM and specify details here.

CANDIDATE'S SIGNATURE	INSTRUCTOR'S SIGNATURE	MANAGER'S SIGNATURE	DATE
			31/3/24

Faris Mohammad Firdaus
Field Service Manager
Cased Hole Services EMO
Dimension Bid (M) Sdn Bhd

DIMENSION BID
WELL INTERVENTION | PERFORATION SERVICES

JUNIOR FIELD OPERATOR TECHNICAL EVALUATION SHEET
CASED HOLE SERVICES

JUNIOR FIELD OPERATOR DETAILS

FULL NAME	SENIORITY DATE
KEITH RAMBA.	

REGION	DIVISION	UNIT/SECTION	LOCATION	CONFIRMATION DATE
EWO	CWS	ELINE	LABUAN	

TECHNICAL EVALUATION

Mark below the achieved competency levels (Basic "C", Intermediate "B" or Advanced "A") for the Field Operator

BASIC WIRELINE	A	B	C
Oil & Gas Principles	☑	☐	☐
Well Completion	☑	☐	☐
Wireline	☑	☐	☐
Cable	☐	☑	☐
PPM Tool	☑	☐	☐

Custodian Name and Position	FARIS FSM.
Custodian Signature/Date	31/3/22

BASIC PERFORATING	A	B	C
Explosives Safety	☑	☐	☐
Explosives Level 1 & level 2	☑	☐	☐
Explosive Service	☑	☐	☐
Safe Explosive Material Handling	☑	☐	☐

Custodian Name and Position	FARIS FSM.
Custodian Signature/Date	31/3/22.

BASIC SURFACE EQUIPMENT	A	B	C
Unit ASEP/SOP	☑	☐	☐
Power Pack	☑	☐	☐
Winch	☑	☐	☐
Generator	☑	☐	☐
Mast	☑	☐	☐

Custodian Name and Position	FARIS FSM.
Custodian Signature/Date	31/3/22

BASIC PCE	A	B	C
Rig Up & Rig Down	☑	☐	☐
Control Module	☑	☐	☐
Pressure Control Equipment	☑	☐	☐
Single Well Control Penal	☐	☑	☐
Pressure Test Pump	☑	☐	☐

Custodian Name and Position	FARIS FSM.
Custodian Signature/Date	31/3/22.

BASIC MEASUREMENT	A	B	C
Depth Control	☑	☐	☐
Meter	☑	☐	☐
Pressure	☑	☐	☐

Custodian Name and Position	FARIS FSM.
Custodian Signature/Date	31/3/22

GENERAL	A	B	C
Basic Down Hole Tool	☑	☐	☐
Winch Man Signal	☑	☐	☐
PTW Familiarization	☑	☐	☐

Custodian Name and Position	FARIS FSM.
Custodian Signature/Date	31/3/22.

INSTRUCTOR'S COMMENTS

DIMENSION BID
WELL INTERVENTION | PERFORATION SERVICES

JUNIOR FIELD OPERATOR TECHNICAL EVALUATION SHEET
CASED HOLE SERVICES

CANDIDATE'S COMMENTS	*Add comments about the support you have received form your tutor/location*		
INSTRUCTOR Recommend Promotion to Next Level?	Y ☒ N ☐	**DIVISION MANAGER Approve Promotion To Next Level ?**	Y ☒ N ☐

CANDIDATE'S SIGNATURE	INSTRUCTOR'S SIGNATURE	MANAGER'S SIGNATURE	DATE
		Faris Mohammad Firdaus Field Service Manager Cased Hole Services EM Dimension Bid (M) Sdn B	31/3/17.

DIMENSION BID
WELL INTERVENTION | PERFORATION SERVICES

JUNIOR FIELD OPERATOR EVALUATION CHECKLIST
CASED HOLE SERVICES

JUNIOR FIELD OPERATOR DETAILS

FULL NAME	SENIORITY DATE
KEITH RAMBA.	

REGION	DIVISION	UNIT/SECTION	LOCATION	CONFIRMATION DATE
EMO	CHS	ELINE	LABUAN.	

JUNIOR FIELD OPERATOR CHECKLIST

Done prior to final submission to HR
No Operator Package will be processed by the HR if any of the points are missing.

TASK & REPORTS

- [x] Completed Task Junior Field Operator (Please attach task and verified by FSM)
- [x] Completed Practical (Please attach task)
- [x] Offshore Trip (Please attach Feedback Form by FSM)
- [x] Oral Test
- [x] 1ea x Technical Presentation **OR** 1ea x HSE Contribution Activity
- [x] Completed Operator Training & Exam Module
- [x] Completed 3ea x Inhouse Training (TCC)

PAPERWORK

- [x] Junior Field Operator Evaluation Sheet
- [x] Junior Field Operator Technical Evaluation Sheet

VERIFICATION

I hereby verify that the above paperworks and documents above has been checked and confirmed true. I further certify that all information contained herein is true and accurate.
I understand that any falsifying of any document above could result in disciplinary action and being denied access to Field Operator program in future.

PREPARED AND SUBMITTED BY

SIGNATURE
NAME :
POS :
DATE :

DIMENSION BID
WELL INTERVENTION | PERFORATION SERVICES

ENDORSEMENT	
All check points listed above have been verified completed by myself or my delegates. I Deem This Junior Field Operator Candidate READY to be Promoted to Next Level	
VERIFIED BY SIGNATURE NAME : Faris Mohammad Firdaus POS : Field Service Manager DATE : Cased Hole Services EMO Dimension Bid (M) Sdn Bhd	31/3/21. **AGREED BY** SIGNATURE NAME : POS : DATE :
FOR HR USAGE	
I hereby received this Junior Field Operator package for processing I deem this Junior Field Operator Candidate READY to be promoted to Next Level.	
RECEIVED BY SIGNATURE NAME : POS : DATE :	

DIMENSION BID
WELL INTERVENTION | PERFORATION SERVICES

TECHNICAL OPERATIONAL SUPPORT
Operator Task

Junior Field Operator to Field Operator

Document Details

Field Operator	:	Keith Anak Rambu
Date Join	:	12/9/22
Document Version	:	1.1
Release Date	:	
Document Owner	:	CASED HOLE SERVICES

DOCUMENT REFERENCE: -

DOCUMENT CONTROL: JFO TASK

SPECIFIC TOOL/SYSTEM: JUNIOR FIELD OPERATOR TO FIELD OPERATOR

Cased Hole Service (CHS)			
	Name / Position	**Signature**	**Date**
Prepared by	**Shahurin Nazri Abdullah** CHS Trainer		20-10-2017
Reviewed by	**Abdul Rahman Kamal** General Field Engineer		15-11-2017
Reviewed by	**Muhammad Farhaan Harun** Field Service Manager		12 Dec 2017
Approved by	**Mohd Zahir Abd Manan** Operation Manager		12/12/2017

Revision History

Revision	Effective Date	Modifications	Prepared By	Reviewed By
00		Initial Release	Shahurin Nazri Abdullah	Muhammad Farhaan Harun

Document Details

Document Reference	:	-
Document Control	:	JFO TASK
Specific Tool/System	:	JUNIOR FIELD OPERATOR TO FIELD OPERATOR
Document Version	:	1.1
Release Date	:	-
Document Owner	:	CASED HOLE SERVICES
Author	:	SHAHURIN NAZRI ABDULLAH
Position	:	CHS Trainer

Contact Information

Name: **Cased Hole Services (CHS)**
DIMENSION BID (M) SDN BHD
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MALAYSIA

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Fax : +609-858 6755

www.dimensionbid.com

Dimension Bid	Training - Task
Junior Field Operator	Grade Level Promotion Requirements Junior Field Operator to Field Operator

General Task Sheets

	FE / SCC	Date	FSM	Date
Location Organization	STEPHEN J.	9/3/23		31/3/24
DB Organization	Fabian S.	23/1/24		
The Oil Industry	Fabian S.	23/1/24		

Maintenance Task Sheets

	FE / SCC	Date	FSM	Date
O-Rings	STEPHEN J.	9/8/23		31/3/24
Mono Cable	Fabian S.	24/8/23		
Cable Head	STEPHEN J.	9/8/23		
Meters	Fabian S.	23/1/24		
Smart Head II	Abdul Halim			

Operations Task Sheets

	FE / SCC	Date	FSM	Date
Tool Handling	STEPHEN J.	9/8/23		31/3/24
Tools	Abdul Halim	23/1/24		
Wireline Units	Fabian S.	23/1/24		
Winch Driving	Abdul Halim	23/1/24		
Power Pack	Abdul Halim	23/1/24		
Air Compressor	STEPHEN J.	9/8/23		
Generator/Genset	Abdul Halim	23/1/24		
Mast	Fabian S.	23/1/24		
Pressure Control Equipment	Fabian S.	23/1/24		

Safety Task Sheets

	FE / SCC	Date	FSM	Date
General Safety	STEPHEN J.	9/3/23		31/3/24.
Explosives Safety	CLEMENT E.	25/3/24		
Wellsite Safety	Fabian S.	23/1/24		
Pressure Safety	Fabian S.	23/1/24		

Seniority
Minimum 5 trip offshore or more since promotion to Junior Filed Operator
Recommendation
Promotion recommendation letter from Crew Chief, Foreman, Engineer and FSM

Operator Comments:

Operator Signature:		Date	

FSM Comments:
Eligible for promotion.

FSM Signature:		Date	31/3/24

Dimension Bid	JFO Task				
Trainee Operator	General Safety				
	Aptitude	Level	1	Task sheet	¼

Objective:

To introduce the trainee operator to all basic Dimension Bid safety rules so that he can work safely in the shop and at the wellsite.

Theory

1. What PPE should be worn at all times during your Job?
2. Describe the safety equipment provided in the shop for your use and the reason for each piece.
3. Discuss the proper lifting techniques for handling pieces of Dimension Bid equipment and explain the logic involved.
4. What types of fire extinguishers are found in your location and for what kind of fire is each used for. Demonstrate that you are familiar with these devices and know how to use them and where to find them.
5. With an Engineer discuss all the safety hazards that may be encountered at the wellsite.
6. Become familiar with the emergency signals on rigs. And what each signal is for
7. Participate in location safety meeting.

Practical

1. Pick a topic and hold a spot Safety meeting in the shop
2. Identify all the type fire extinguisher in the shop and describe on what types of fire each is used.
3. Review the emergency response plan with the location and all the special safety officer/manager.
4. Demonstrate the proper manner to carry equipment at the wellsite.
5. Raise and explain one safety suggestion at a location safety meeting.
6. Watch and understand the following Dimension Bid video. "No Second Chance" safety, everyone's responsibility.

Comments By Field Engineer:

Comments By Crew Chief :

Name Operator	Keith Andre Ramsay	Signature		Date	8/3/23
Name FE/SCC	STEPHEN JULIAN	Signature		Date	8/3/23

GENERAL SAFETY

1. Five basic PPE we should worn at all time include:
   - Safety Helmet
   - Coverall
   - Eye Protection
   - Safety Boots
   - Gloves

2. Fire Extinguisher
   - In case of the emergency.

   Emergency Stretcher
   - To move injured patient.

   First Aid Kit
   - In case of injured.

3. Good manual handling technique.
   - Plan your lift. Ensure the load is light enough for you to lift it, sturdy and physically in good condition.
   - Position your feet.
   - Ensure goof posture.
   - Maintain firm grip.
   - Lift slowly / smoothly.
   - Keep close to the load.
   - Put it down. Then adjust if necessary.

4. 3 type of fire extinguisher found at location includes:
   - Foam Extinguisher
   - Carbon Dioxide (CO_2) Extinguisher
   - Dry Powder Extinguisher

   4 steps in using a fire extinguisher.
   1) Pull (Pin)

No.: ..... Date: .....

2) Aim

3) Squeeze

4) Sweep

5. There are so many safety hazard that may be encountered at the wellsite include :

- Fire and Explosion
- Working at height
- Lifting heavy weight
- Hot work
- Noise
- Radiation

6. Emergency Alarm Signal

I. Fire Alarm

- Continue ringing on ship alarm followed by PA announcement.

II. Abandon ship alarm. (General emergency alarm)

- 7 short blasts followed by one prolong blast on ship alarm followed by PA announcement. And verbal by ship master (for launching of liferaff).

III. Man ourboard alarm.

- 3 long blast on ship horn followed by PA announcement (man ourboard 3x)

IV. Dismissal Alarm.

- 3 short blasts on ship horn followed by PA announcement.

7. 1) Toolbox meeting.

2) Weekly meeting.

3) Morning Meeting.

4) Safety Briefing.

5) Safety meeting Medic on Board.

Dimension Bid	JFO Task				
Trainee Operator	Explosives Safety				
	Aptitude	Level	1	Task sheet	1/4

Objective:
To gain a basic knowledge of all explosives safety procedures

Theory

1. Attend explosive Level 1 with PEXs.
2. Identify all safety device required for explosive operation, their function and proper uses.
3. Describe the rules regarding transportation of explosives in box, transport vehicles or company car.
4. Describe the loading shop rules regarding equipment, procedure and techniques.
5. Describe the proper procedure of identifying and handling trapped pressure in guns or tools
6. Read and understand all required well site procedure listed on the explosives-field safety procedure card.

Practical

1. Discuss with Engineer all the rules and procedures as per explosives-Field safety procedures card.
2. Describe what we mean by Primary and secondary explosives and flammable solids. How should they be stored?
3.

Comments By Field Engineer: personnel understand all the requirement for perforation job.

Comments By Crew Chief :

Name Operator	Keith Anak Rumbu	Signature		Date	23/1/24
Name FE/SCC	Clement Emang	Signature		Date	25/3/24

No.: ..... Date: .....

EXPLOSIVE SAFETY

2. Discontinues all electric welding jobs.
   - Link grounding cable from logging cabin to power pack generator.
   - Turn off electrical cathodic protection system.
   - Check voltage between the rig, casing and cable armor using multimeter climinate it at its source, if present.
   - Test and install casing to rig voltage monitor / safety panel in the logging cabin.
   - Do not proceed with job is residual voltage is in access of 0.20v between rig, casing, cable armor.
   - Install safety grounding straps between the unit, rig and casing.
   - Put out signboard reading "Danger Explosive - keep it out".
   - Turn off all radio frequency (FE) transmetters (radio, radar, RF, wireless, network, etc) within 250ft or 76 meters of the well.

3. Rules transportation is when we want to transfer explosive from the bankers explosive to Dimension Bid there must be escort by police from banker to destination for safety and rules.

5. All gun must be safety relieved of any trapped pressure immediately remove from well according to the instruction in the Eom.

Dimension Bid	JFO Task				
Trainee Operator	Wellsite Safety				
	Aptitude	Level	1	Task sheet	1/4

Objective:
Gain competency and familiarity with wellsite safety

Theory

1. Discuss at least 10 basic safety rules applicable to the platform in your location.
2. Discuss the various types of safety and escape equipment applicable to you and your job on the platform.
3. Name 5 common hazards existing on platform and describe precautions you should take to avoid them.
4. Explain the proper way to position a logging Unit and discuss the safety precautions involved. Also discuss local difficulties in doing so.
5. Explain the safety precautions associated with the rig up procedure

Practical

1. List all Dimension Bid rig up equipment and their ratings
2. Take a rig tour with an Engineer, locating and discussing all parts of the rig
3. Make one or more suggestions for improving the safety of an operation in at least 2 sport safety meeting.

Comments By Field Engineer:

Comments By Crew Chief : Good kwoledge about rules and offshore & safety.

Name Operator	Keith Anak Rambin	Signature		Date	23/1/24
Name FE/SCC	Fabian S.	Signature		Date	23/1/24

WELLSITE SAFETY

1. 10 Basic safety rules at platform:
   - Work with a valid permit (PTW) required by the job.
   - Verify energy isolation before starting work.
   - Obtain authorization before overriding or disabling safety critical equipment.
   - Obtain authorization before entering confined space.
   - Protect yourself again a fall when working at height.
   - Use correct PPE when handling hazardous chemical.
   - Obtain authorization before excavation or entering the trench.
   - Do not position yourself under suspended load.
   - Do not bring potential ignition sources into process area without authorization.
   - Do not use handphone / walkie-talkie while driving, follow the speed limit and use seatbelt.

2. 1) Life Raft.
   2) Escape Set.
   3) Rescue Boat.

3. 1) Hand injury
   - Use hand gloves.

   2) H2S Area.
   - Use respirator and personal gas detector.

   3) Chemical handling.
   - Must wear chemical suit and chemical gloves.

   4) Working at Height.
   - Always wear full body harness during working at height activity.

   5) Slippery working area.
   - Maintain housekeeping working area before and after completed activity.

4. The proper position of logging unit should be placed behind the

No.: Date:

winch to easy operate.

5. Only one employee should be on the rig floor when raising the mast. Uncoil all line so that they are clear of all employee when the mast or derrick is raised. Attach safety lines to all tools hanging from the rig. Keep a safe distance from moving equipment.

Dimension Bid	JFO Task				
Trainee Operator	Pressure Safety				
	Aptitude	Level	1	Task sheet	1/4

Objective:

Understand what is meant by "pressure" and identify the hazards associated with different pressure types and system.

Theory

1. Discuss the differences between an open hole, cased hole and production wells with respect to well head pressure.
2. Discuss the principle of the Mud systems used when drilling wells. Describe what is meant by overbalanced and under balanced and when these would occur.
3. Discuss with Engineer services where there is a possibility of trapped pressure in Dimension Bid tools, what is the simplest way to identify trapped pressure in a gun Inter carrier or any other connection.
4. What is the meaning of "Blow Out"? What can cause it and what are the dangers.
5. What is meant by MPWHP and WHP?
6. Discuss the dangers of High Pressure and Low Volume Systems
7. Discuss the dangers of Low Pressure and High Volume Systems

Practical

1. Demonstrate the correct way to bleed pressure from Dimension Bid tools or guns.
2. Demonstrate the correct way to bleed pressure from Lubricator.
3. Identify at least one type of high pressure – low volume type device, as well as one type of low pressure – high volume type device, in your location or at the wellsite.

Comments By Field Engineer:

Comments By Crew Chief : Good knowledge.

Name Operator	Keith Frank Rumm	Signature		Date	23/1/24
Name FE/SCC	Fabian S.	Signature		Date	23/1/24

PRESSURE SAFETY

1. Open Hole, Cased Hole and Production Well

- Open Hole

- Open hole completion is a method of preparing a well for production in which no production casing or liner is set opposite the production formation. The hole was cased down to 3850 m, leaving an open hole section 150 m. Open hole describes an uncased of part well.

- Cased Hole

- A cased hole is in contrast to an open hole and is one which casing has been run cement.

- Production Well

- Production well refer to the type of well used to extract oil or gas from subsurface deposits. Production wells are drilled thousands of feet into the earth directly into oil or gas rich deposits contained in underground formation.

2. Mud System

- Remove pressure from well.
- Means overbalance and underbalance:
  - If hydrostatic pressure in a well is higher than the reservoir pressure, the difference is called overbalance pressure or simply overbalance.
  - If reservoir pressure is more than hydrostatic pressure, the difference is called underbalance.

3. O-ring

- O-ring to seal a joining of two pieces to ensure that no pressure can pass.

4. Blow out is uncontrolled release of crude oil and/or natural gas from an oil well or gas oil after pressure control systems have failed.

No.: Date:

5. MPWHP
   - Max possible Well Head Pressure - Upstream, Downstream Stream Pressure.

   WHP
   - Well Head Pressure - Top at wellhead pressure.

6. Dangers of High Pressure and Low Volume System can cause blow out when it reaches 2000 - 3000 psi.

7. Low Pressure and High Volume System do not harm, therefore delay the production process.

Dimension Bid	JFO Task				
Trainee Operator	Location Organization				
	Aptitude	Level	1	Task sheet	1/4

Objective:

To understand the location structure, the cell system and the part the operator performs in the location organization.

Theory

1. Read and understand the operators job description
2. Read and understand the Field Engineers and Crew Chief job description
3. Get a copy the Dimension Bid organization chart
4. What is meant by the cell system?
5. What advantages does the cell system have over a pool system?
6. What other Dimension Bid segments exist in your location? What do they do?
7.

Practical

1. Discuss the job descriptions mentioned in point 2 above with an engineer, take a look at other personnel job descriptions that may exist in your location (FSM,OM,ET, FOREMAN)
2. Discuss the location organization chart with the engineer. You must be able to explain the role of each person in the location.
3.

Comments By Field Engineer:

Comments By Crew Chief :

Name Operator	Keith Hnale Ramsin	Signature		Date	09/03/23
Name FE/SCC	STEPHEN JULIANI	Signature		Date	09/03/23

LOCATION ORGANIZATION

1. To assist the operation department in all aspect of the required for operation.

2. Field engineer duties usually include inspecting and installing equipment and new technologies, directing crews or workers on platform, conducting research and reporting on project status. Field engineer will make sure that everything works smoothly and engineering designs are being followed.

4. A group of cell forming a collective entity.

5. Cell System has a package and man power but no backup / spare part. Pool System has a backup / spare part and man power.

6. Logistic, Procurement, Foreman, FSM, IE, Lab Technician.

Dimension Bid	JFO Task				
Trainee Operator	Dimension Bid Organization				
	Aptitude	Level	1	Task sheet	1/4

Objective:
To know the history of Dimension Bid. Understand how Dimension Bid is managed today.

Theory

1. Who were the founders of Dimension Bid
2. In what year did the company start?
3. Explain some of the Dimension Bid milestones since its inception.
4. What is the main industry in which Dimension Bid operates?
5. What is the difference between an "Oil company" and a "Service Company", which is Dimension Bid?
6. Read and explain the Dimension Bid Policies
7. Who is the current President of Dimension Bid

Practical

1. On a world map identify the Dimension Bid defined areas.
2.
3.

Comments By Field Engineer:

Comments By Crew Chief : RCO Comments.

Name Operator	Keith Anak Rumbu	Signature		Date	23/1/24
Name FE/SCC	Fabian S.	Signature		Date	23/1/24

DIMENSION BID ORGANIZATION

1. Dato Aziz Yakub

2. 1994 - Rolled out slickline services to peninsular Malaysia operation.

3. 1997 - Introduced 1st first memory logging services to Malaysia market.
2006 - Awarded ISO and 2000 certification.
2007 - Penetrated memory logging services to Indonesia market 1st memory logging services.
2009 - Direct entry to Myanmar market providing slickline services.
2010 - Executed 1st multifinger tool (MIT) to Thailand market high temperature by Malaysia company.

4. Slickline, PEXS, E - Line and Coil Tubing.

5. Services Company - Contractor
o Services Company provides services to its client not are product.
Oil Company - Client (PCSB, Shell, PTTEP)
o Oil Company means any person:
- Engaged to product, refining, marketing, storing, trading or terminaling of oil, or any one more of whose affiliates are engaged.
- Receives oil in bulk for its own consumption or use.

7. Dato Aziz Yakub.

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HARASSMENT IN THE WORKPLACE POLICY

NEU DIMENSION SDN BHD objective is to provide a work environment that fosters mutual respect and working relationships free of harassment. **NEU DIMENSION SDN BHD** specifically prohibits any form of harassment by or towards employees, contractors, suppliers or customers.

Harassment is conducted which has the purpose or effect of:

- Creating an intimidating, hostile or offensive work environment.
- Unreasonably interfering with an individual's work performance.
- Adversely affecting an individual's employment opportunity.
- Sabotaging someone's work on purpose.
- Starting or spreading rumours about a person's personal life

Harassment, whether it occurs in the workplace or at a business- sponsored function, will not be tolerated. Forms of harassment include, but are not limited to, un welcome verbal or physical advances and sexually, racially or otherwise derogatory or discriminatory materials, statements or remarks.

All employees, including supervisors and managers, will be subject to disciplinary action up to and including termination for any act of harassment.

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Dato' Aziz Ayob
President
NEU DIMENSION SDN BHD
Date: 21st February 2022

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SMOKING & VAPING POLICY

NEU DIMENSION SDN BHD is fully aware that smoking and vaping is not only recognized health hazard but it is also a safety hazard at workplaces, as it has caused numerous fire accidents or smoking related incidents

All employees are to be aware of this policy and to observe the smoking and vaping regulations and guidelines issued by the Government of Malaysia and the clients of **NEU DIMENSION SDN BHD.**

NEU DIMENSION SDN BHD maintains a non-smoking and vaping within the offices and worksites to protect indoor air quality and to protect health, safety and environment. Employees are not allowed to smoke and vaping while performing his/her duties. Employees, visitors, contractors and member of the public are only allowed to smoke and vaping at designated smoking areas.

NEU DIMENSION SDN BHD will educate and provide information to its employee at the workplaces on the hazards of smoking and vaping as well as the threat of cancer and the benefits of healthy living.

Employees, visitors, contractors and member of the public must personally responsible for complying with this policy.

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Dato' Aziz Ayob
President
NEU DIMENSION SDN BHD
Date: 21st February 2022

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DRUGS & ALCOHOL POLICY

Objectives

The objective of the Drugs & Alcohol policy is to help maintain a safe, healthy and productive work environment. The policies cover the use and abuse (which include possession, distribution or sale) of alcohol/alcoholic beverage or drug in the work location and abuse (which includes sales, possession or trafficking) of drugs, including dangerous drugs. They outline the procedures and provide a basis for disciplinary action when policies provisions are violated. While these policies refer especially to drugs & alcohol, they are intended to apply all forms of substances abuse

General Provision

NEU DIMENSION SDN BHD recognizes that the use and abuse of alcohol/alcoholic beverages and drugs will impair the employees' ability to perform properly and will have serious adverse effects on safety, efficiency and productivity.

Alcohol Policy – NEU DIMENSION SDN BHD strictly prohibits the use, possession, distribution, or sale of alcohol/alcoholic beverages in company work locations. Any employee who is incapable of performing his work in a safe and acceptable manner due to the influence of alcohol will be subject to disciplinary action, including termination. Employees are not allowed to drive or operate company vehicles or machines while under the influence of alcohol.

Drugs Policy – NEU DIMENSION SDN BHD strictly prohibit the use and possession of, or trafficking of drugs, no employee shall be under the influence of drugs or carry such drugs into company premises or work locations. Violation of this policy is ground for disciplinary action including termination. **NEU DIMENSION SDN BHD** reserves the right to refuse the entry of prescribed drugs if, in its opinion, the use of such drugs will have adverse effects on the safety and efficiency of the work environment. The use of prescribed drugs on company premises or work locations must comply with procedure established in this policy.

It is a requirement of the company that all applicants accepting the offers of regular employment must pass a drug test.

Any employee who is arrested and charged by the authorities for possession of or trafficking in dangerous drugs within as well as outside of company premises or work locations may be subject to disciplinary action, including termination.

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DRUGS & ALCOHOL POLICY

For both policies, **NEU DIMENSION SDN BHD** shall designate certain positions as designated positions from time to time. Any employee who has had or is found to have an drugs & alcohol related problem shall not be permitted to work in such a position.
Contractor, common carrier and vendor personnel are also covered by all provisions of these policies, except those relating to rehabilitation

Drugs & Alcohol Search

NEU DIMENSION SDN BHD reserves the right to search any employee and/or his personal belongings within the work location to carry out the objective of the policies. A refusal to submit to a search is an infringement of the policies and may subject the employee to disciplinary action, including termination.

Rehabilitation

NEU DIMENSION SDN BHD recognizes that alcohol and drugs dependency are treatable conditions. Any employees with alcohol and drugs dependency problem who voluntarily requests for medical assistance will be eligible from company assisted treatment, including time off for rehabilitation, as provided for in this policy. In any event, an employee with pass or current alcohol and drugs related problems or who participates in a rehabilitation program shall not be allowed to work in a designated position. Any employee returning from rehabilitation will be required to participate in a company approved after – care program.

Drugs & Alcohol Test on Employees

NEU DIMENSION SDN BHD may require employees to submit to medical evaluation on alcohol and drugs tests. The mode and manner of such tests will be decided by the company. Unannounced periodic or random tests shall be conducted on employees as deemed necessary by the company from time to time.

Infringement of policy

Any employee who is found to have infringed any provision of this policy may be subjected to disciplinary action, including termination.

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Dato' Aziz Ayob
President
NEU DIMENSION SDN BHD
Date: 21st February 2022

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DRIVING POLICY

NEU DIMENSION SDN BHD recognizes the threat of injury to health as result of preventable accident while driving or use company's cars. The aim of this policy is to promote a safe driving culture within the organizations, to ensure that all **NEU DIMENSION SDN BHD** employees who drive any type of vehicles to commute to their work must always demonstrate a safe, efficient driving skills and have a good road safety habits at all times. All employees, contractors and visitors to **NEU DIMENSION SDN BHD** premises and locations are required to adhere to this policy when driving or operating with Company or contracted vehicles at all times as well as when driving or operating with their personal vehicle, either on the job or during routine journeys from home to work site and vice versa.

1. **Code of conduct**

   The code of conduct for **NEU DIMENSION SDN BHD** states that: "While driving company or own vehicles for work purposes, employees must comply with all national legislation and local prevailing traffic laws" the following actions in company vehicles will be viewed as serious breaches of conduct and dismissal may be a consequence:

   - Drinking or being under the influence of drugs and alcohol while driving.
   - Driving while disqualified or with invalid license.
   - Reckless or dangerous driving capable of causing death or injury and failure to stop after crash.
   - Using company vehicles for illegal activities and drivers who have pending or prosecutions for traffic offences.

2. **Responsibilities as an employee**

   Every employee who drives company and own vehicles to commute daily to and from work need:

   - Drivers must have a valid driving license for the vehicle to de driven.
   - Drivers must be in good health and physically able to perform the duties of driving.
   - Drivers and passengers must wear seat belts at all time during vehicle operation.
   - Drivers must abide the speed limits, do not use hand-phone and texting while driving.
   - Driving under influence of alcohol, drugs or other controlled substances is STRICTLY prohibit.
   - Own vehicles that use for business purpose must be roadworthy and validly insured.

3. **Infringement of policy**

   This policy is applicable to all employees who uses company cars for official duties and responsibilities as employees need to be strictly followed. If an employee is driving their own for work purpose, the same policies apply. Any employees who are found to have infringed any provision of this policy may be subjected to disciplinary action, including termination.

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Dato' Aziz Ayob
President
NEU DIMENSION SDN BHD
Date: 21st February 2022

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PERSONAL PROTECTIVE EQUIPMENTS (PPE) POLICY

The planning and assessment of work activities will take account of any hazards and where practicable, the risk from these hazards will be eliminated or reduced. A residual risk may remain, but we can often reduce this further by wearing appropriate PPE.

It is **NEU DIMENSION SDN BHD** policy to ensure that suitable PPE is available to everybody and always used in work activities. Your full compliance with safe, well proven working procedures should prevent accidents and consequential injuries. PPE is the last personal line of defence, but may not protect you if you fail to behave safely.

Every person on a worksite must wear (unless in a designated safe zone):

- Safety Helmet
- Coveralls with high visibility reflective stripes or a high visibility tabard
- Safety boots/shoes
- Safety glasses
- Gloves (unless deemed unfit for task)

Additional PPE must be used when required and may include:

- Hearing protection
- Fall protection harnesses
- Respiratory protection equipment
- Lifejackets (offshore applications including in harbour use)
- Burning goggles or clear goggles
- Gloves with specific hand protection (cut/thermal/chemical)
- Welding hood
- Full face shield

All PPE must be clean, in good condition and maintained according to the Manufacturer's Specifications. **NEU DIMENSION SDN BHD** also requires daily visual inspection for any flaws or defects of the mandatory PPE listed above. All company supplied PPE will conform to Occupational Health and Safety Code requirements and relevant safety standards.

Any violations of this policy may subject the employees to disciplinary action including termination.

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Dato' Aziz Ayob
President
NEU DIMENSION SDN BHD
Date: 21st February 2022

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STOP WORK POLICY

Scope

This Stop Work Policy is applicable to all **NEU DIMENSION SDN BHD** operations and support locations.

Commitment

It is the Health, Safety, Security and Environment policy of **NEU DIMENSION SDN BHD** to maintain a safe and secure work environment against any risk or exposure to personal harm, property damage or adverse effects to the environment.

NEU DIMENSION SDN BHD will fully encourage and support any decision to STOP WORK if it becomes apparent that harm could occur to ourselves, our co-workers, member of the public, assets (whether our own or others, including equipment and materials), or the environments in which we work. No matter how small or who is involved.

Should any occasion arise due to an unsafe action or behaviour or omission or non-action of any party involved in our operations, which may result in harm to any or all of the above, then work must cease immediately.

Work that ceased due to a Stop Work order must not be resumed until the task is re-evaluated for a safer and harmless approach. Should there be any reasonable doubt; the worker shall immediately consult with their supervisor to seek the best way to continue the work safely.

There shall be no blame or fault put on any employees calling for Stop Work even if, upon investigation, the stop work order was deemed unnecessary. The Stop Work order must be applied in good faith.

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Dato' Aziz Ayob
President
NEU DIMENSION SDN BHD
Date: 21st February 2022

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HEALTH, SAFETY, SECURITY AND ENVIROMENTAL (HSSE) POLICY

NEU DIMENSION SDN BHD management is committed to providing a safe and healthy workplace and ensuring that all business activities are conducted in a manner that protects the environment. "Our vision is to be an excellent well services company in HSSE with an Incident and Injury Free Workplace, No harm to people and the protection of environment"

In realize all the above, we are together, committed to: -

- Prevention of accidents, injuries and pollution.
- Compliance to all applicable and client's health, safety, security and environmental requirements or other relevant laws and regulations.
- Continuously improve our health, safety and environment performance.
- Communicate and promote health, safety, security and environmental awareness among employees, customers, suppliers and contractors.
- Foster a culture where accidents, incidents and near miss are reported and investigated and the lesson learned are shared throughout the organization.
- Ensure that all employees and contractors personnel are continuously provided with adequate and appropriate HSSE trainings.
- Ensure and promote a secure working environment by establishing and maintaining appropriate security measures in all operating locations.
- Protect the security of our employees, assets, contractors and visitors by taking all reasonable steps to mitigate foreseeable harm.

NEU DIMENSION SDN BHD requires the active commitment to HSSE from all employees. In addition, line management has a leadership role in the communication and implementation of, an ensuring compliance with HSSE policies and standards. **NEU DIMENSION SDN BHD** shall as and when necessary periodically review the policy to ensure continual improvement of the Health, Safety, Security and Environmental Management System.

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Dato' Aziz Ayob
President
NEU DIMENSION SDN BHD
Date: 21st February 2022

DIMENSION BID

QUALITY OBJECTIVES

DIMENSION BID (M) SDN BHD has established measurable Quality Objectives in tandem with the Quality Policy. Our primary objective is to be a dynamic integrated solution partner of choice while meeting client satisfaction through:

- To perform operations in the most efficient manner in compliance with our standard requirements: -
    a. Non-Productive Time over Operating hours (NPT/operating hours) less than **one percent (1%)** of total operating hours per year.
    b. Any operational problems or incidents shall be identified and reported to the base within **an hour.** While **concurrently,** rendering optimum efforts in rectifying problems where possible.

       A full report of incidents shall be submitted within **twenty-four (24) hours** and the client is to be duly notified. All problem or incident investigations shall be completed within **five (5)** working days.
    c. **Zero (0)** client complaints.
    d. **Zero (0)** Non-conformance Report (NCR) by clients or external parties.
- To ensure a **hundred percent (100%)** compliance with the statutory, regulations, and contractual terms and conditions.
- To achieve and maintain a client satisfaction rate of **eighty percent (80%)** based on the client satisfaction surveys and analysis conducted monthly.
- Operation Management team to engage with clients via Service Quality Meetings and/or Contract Performance Reviews.

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Dato' Aziz Ayob
President
Dimension Bid (M) Sdn Bhd
16th January 2023

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QUALITY POLICY

DIMENSION BID (M) SDN. BHD is committed to delivering services of the highest quality to meet and ensure our client's satisfaction. Prudent employees are our main asset; their dedication and motivation to provide excellent services to the client in a safe and clean environment are keys to our success. Quality is the foundation of our competitive advantage.

While achieving client satisfaction is our primary goal, Dimension Bid is committed to implementing Quality Management System (QMS). To accomplish this, we have adopted effective quality principles while promoting continuous improvement as the foundation of our work ethics.

To achieve this, we shall:

a. Commit to comply with ISO 9001:2015 and aligned with API Spec Q2 System requirements.
b. Plan, monitor and review the quality objective of services and equipment at all stages of operations with the goal of achieving a fully functional and productive performance standard.
c. Understand and comply with client requirements, delivering services according to the industry's highest standard.
d. It is the responsibility of every individual in the company to apply Quality Management Principles (Customer Focus, Leadership, Engagement of People, Process Approach, Improvement, Evidence-Based Decision Making and Relationship Management) to all work processes.
e. Ensure that staff is equipped with the highest level of necessary skills and training.
f. Environmental, Social and Governance (ESG) - Strive to build sustainable, equitable, safe, healthy, and diverse services through an integrated solution and exemplary environmentally friendly, social and governance performance.

The company believes in the philosophy of lessons from experience and continuous improvement to ensure the effectiveness and update of the company's Quality Management System, Processes, Services, Equipment and Employees in order to achieve Total Client Satisfaction.

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Dato' Aziz Ayob
President
Dimension Bid (M) Sdn Bhd
16th January 2023

Dimension Bid	JFO Task				
Trainee Operator	The Oil Industry				
	Aptitude	Level	1	Task sheet	1/4

Objective:

To understand the role of Oil exploration and producing companies, drilling contractors and the various supply and service companies.

Theory

1. Who are the major oil companies in your area?
2. What is the difference between an exploration field, a development field and a"Brown" field.
3. Explain Dimension Bid role as a service company including both Evaluation service and production services.
4. Explain what is meant by a reservoir? How does a client measure the size of this reservoir?
5. What can oil company to do extend the life of a reservoir and extract more hydrocarbons?
6. What is meant by the terms Source Rock, Cap Rock or Trap and a Reservoir Rock?
7. Using the terms above explain how an oil or gas reservoir is formed.
8. Why is logging important to the Oil Industry?
9. Who are Dimension Bid major competitors within the oil industry?

Practical

1.
2.
3.

Comments By Field Engineer:

Comments By Crew Chief : Good.

Name Operator	Keith Anak Rambn	Signature		Date	23/1/24
Name FE/SCC	Fabrian S.	Signature		Date	23/1/24

THE OIL INDUSTRY

1. Petronas, Shell, PTTEP, Hibiscus.

2. • Exploration Field
   ▷ Exploration field is the earliest stage where seismic survey is done and information will be gathered by drilling 1-2 week.
   • Development Field
   ▷ Development field is the phase where drilling company will drill wells and production facilities. Drilling production and injection wells.
   • Brow Field
   ▷ Brown field is when the wells is aged and less productive. Operating companies seek to extend the economic producing life using stimulation and install artificial lift equipment.

3. Evaluation services means the product or services offered on an evaluation, beta, trial proof of value or proof of concept basic under this agreement use mean individuals all authorized by you to use the evaluation services and include your employees, consultants and contractors.

4. An Oil and Gas reservoir is a information of rock in which oil and natural gas accumulated the oil and gas collected in small, connected pore spaces of rock and are trapped within the reservoir by adjacent and impermeable layers of rock, client measure the size by using volumetric analysis theory.

5. Secondary recovery techniques extend a field's productive life generally by injecting water or gas to displace oil and drive it to a production wellbore, resulting in the recovery of 20 to 40 percent of the original oil in place.

6. I. Source Rock
   o Source rocks are that contain sufficient organic material to clear hydrocarbon, when subjected to heat and pressure overtime.

No.: Date:

II. Cap Rock

- Cap rock are relatively impermeable rock layers that seal the top of and other geologic formation.

III. Reservoir Rock

- Reservoir rock is providing a condition to trap oil in media. The reservoir rock contains pores and throats, creating flow path and accumulating system for hydrocarbon and also consist of a sealing mechanism for prohibiting hydrocarbon penetration to surface layer.

7. An Oil and Gas reservoir is a formation of rock in which oil and natural gas has accumulated. The oil and gas collected in small, connected pore spaces of rock and are trapped within the reservoir by adjacent and overlying, impermeable layers of rock.

8. Well logs are important to the petroleum industry because they provide numerous rock property measurements, like the reservoir condition of pressure, temperature and fluid content. The quality of well logs can very significantly from one well to other.

9. UZMA, SLB, Halliburton, Geowell, Deleum.

Dimension Bid	JFO Task				
Trainee Operator	O Rings				
	Aptitude	Level	1	Task sheet	1/4

Objective:
Trainee must demonstrate and understand the use and maintenance of O-rings.

Theory

1. Read and understand how O-ring works.
2. Study the O-ring Standard Operating Procedure in you location if applicable.
3. Discuss which types of lubricators are suitable to be used for o-rings. Some lubricator may damage o-rings, identify any such lubricator if they exist in your location.
4. Explain how an O-ring seals with the increase of pressure.
5. Explain the use of a backup o-ring.
6. Discuss the material selection for harsh environment.($H_2S/CO_2/Hg$)
7.

Practical

1. Describe the purpose of O-rings in Dimension Bid Tools
2. List a minimum of 4 different causes of O-ring failures.
3. Do an inspection of your local O ring storage place and explain the correct way to store O-rings and when they should be discarded.
4. Explain what O-rings should be changed on equipment and tools and or service; i.e., explosive, high temperature.
5. Demonstrate the proper techniques for installing O-rings without damaging them.
6. Know the part numbers and be able to identify the 5 most commonly used O-ring in your location including tool joint o-ring for GO/QC.

Comments By Field Engineer:

Comments By Crew Chief :

Name Operator	Keith Arnold Rambon	Signature		Date	9/8/23
Name FE/SCC	Stephen J.	Signature		Date	9/8/23.

O RINGS

1. O-rings used to prevent pressure from entering tools.

2. O-rings is used as a seal in a groove that is milled or turned in the construction. When the o-ring is pressed, it is deformed. In this way, an o-rings seals the two parts on the part surface with each other.

3. Lubricator that are suitable for o-rings are lubricants and silicone grease. Copaslip may damage the o-rings.

4. The o-ring will contract and seal the join when there is increase of pressure.

5. Backup o-rings are flat, split, spiral or contoured washer type fittings used to protect an o-rings seal from damage at high temperatures. A backup o-rings work by blocking or reducing the extrusion gap, thus preventing the o-ring from extruding.

6. O-rings selection for harsh environment is HNBR O-rings.

Dimension Bid	JFO Task				
Trainee Operator	Mono Cable				
	Aptitude	Level	1	Task sheet	1/4

Objective:
To be familiar with types of mono cable head used in your location and their maintenance.

Theory

1. Read manual about the mono cable.
2. What is the meaning of 1N29PTZ-ESH?
3. Review the use of meter to check insulation and continuity.
4. What is the weak point used for? Where is it situated?
5. How often should the weak point be replaced?
6. What is the cable boot retainer? What do they do?
7. How many of the existing cable in DB?
8. What size sheaves should be used for cable 9/32" and why?
9. What SWL for cable DB have?
10. Calculate the resistance cable S75, for 17, 000 ft.
11. How do you know the cable is open/short and how to calculate the length of cable?
12. List failure about cable?
13. How to season the new cable?
14. Explain what is 1) Dead Short, 2) Intermittent, 3) High Resistance

Practical

1. Under supervision perform insulation & Continuity checks on mono cable head used in your location.
2. Perform at least 2 fit checks on a mono cable head used in location.
3. Change a weak point at least twice on mono cable head under the supervision of a senior operator.
4. Demonstrate how to correctly make a weak point.

Comments By Field Engineer:

Comments By Crew Chief : Good knowledge.

Name Operator	Keith Imale Rambo	Signature		Date	25/1/24
Name FE/SCC	Fabian S.	Signature		Date	26/1/24

MONO CABLE

2. 1N29PTZ-ESH
   - 1 = Number of conductor.
   - N = 12/18 (Number inner wire / outer wire).
   - 29 = Nominal Cable Diameter.
   - P = 12 wire around 6 wires around 1 wire (Type of electrical copper stand)
   - T = 450°F (Type of electrical insulation).
   - Z = 500°F (Type of electrical insulation).
   - EHS = Extra High Strength.

3. I. Multimeter (Ohm) used to check continuity test.
   II. Megger meter used to check insulation test.

4. The weak point of the cable is situated inside the fishing neck.
   It is used to break cable from toolstring incase the tool is situated.

5. 2 to 3 run.

6. Cable boot retainer is to prevent pressure from shield the contact sub connection and causing it to short.

7. 3 type
   - S75
   - S77
   - ESH

8. Size for cable 9/32 is 17 inch.

9. For EHS cable type SWL is 5100ibs, for S75 3900ibs, for S77 4100ibs.

11. Cable is open when loose outer armor and strained inner armor.
    - Short cable ewe can know through insulation 1000v.
    - Calculate cable length through the continuity 8Ω = 1000ft.

No.: ..... Date: .....

12. Bird nest, Cable too short, loose inner outer armor.

13. Reduce speed both in and out of the hole to maintain equal tension and rotation.

14. A dead short is an electrical circuit that results in current flowing along an unintended path with resistance or impedance.
    - Resistance measurements are normally taken to indicate the condition on component or a circuit.

Dimension Bid	JFO Task				
Trainee Operator	Cable Head				
	Aptitude	Level	1	Task sheet	1/4

Objective:

Be familiar with all types Cable Head used for mono cable in your location and how to build them.

Theory

1. Find all relevant part numbers for the equipment and spares needed to build a cable Head.
2. Explain the purpose of the Cable Head?
3. What is the meaning of HPHT cable head contact sub?
4. What is difference HPHT contact sub with normal contact sub?
5. Discuss at least 3 Cable Head failures that have occurred in your location and explain the root cause.
6. How to check the cable head in good insulation?
7. Understand and explain the cable head diagram
8. Explain safety precaution before making cable head

Practical

1. Assist an experienced operator making a mono conductor rope socket.
2. Make a rope socket under supervision explaining what you do and why.
3. Make at least two cable head in the field unsupervised

Comments By Field Engineer:

Comments By Crew Chief :

Name Operator	Keith Anak Ramon	Signature		Date	9/8/23
Name FE/SCC	STEPHEN J.	Signature		Date	9/8/23.

CABLE HEAD

1.
- Fishing Neck
- Cable Head Body
- HPHT Contact Sub
- Standard Contract Sub
- Contact Socket Ferma
- Cone Socket
- Full Cable Head
- Boot Liner
- Cable Boot
- Boot Retainer
- Standard Cable Boots
- Compression Washer
- Cable Sleeve

2. Cable Head provide mechanical and electrical connection between wireline cable and toolstring.

3. High Pressure High Temperature (HPHT).

4. Difference between HPHT and standard contract sub is HPHT to used when run in well high pressure especially gas well have h2s. Meanwhile standard contract sub to used for well not to high pressure.

5. 3 cable head failures :
- Bad insulation.
- Contract spring broken.
- O-rings snap/damage.

6. Do insulation test and make sure the reading is above 1000mΩ.

No.: Date:

8. 1) Make sure to do tension test before making cable head.
2) Do visual test at the cable and make sure the armor has no defect.

Dimension Bid	JFO Task				
Trainee Operator	Meters				
	Aptitude	Level	1	Task sheet	1/4

Objective:

On completion of this subject the operator should have a good understanding and working knowledge of all Meters used in Dimension Bid.

Theory

1. Read the VOM section of the operator module.
2. Identify and explain the function of VOM, Meggar, Blasting Meter, Radioactive survey meter.
3. Read all operating manuals for all electrical meters used in your location.
4. Explain the difference between AC and DC.
5. Discuss with your engineer the basic electrical principle. How to resistors behave in series or parallel?
6. Explain the relationship between Ohms, Volts and Amps.
7. How to use the safety meter at offshore and what the function of safety meter

Practical

1. Properly read resistance and voltage using a Multimeter on any piece of cable or circuit.
2. Demonstrate the correct way to check the insulation and continuity of a logging cable
3. Demonstrate how the resistance value is useful, (cable length), when checking the continuity of cables and why there are different values between cable.
4. Explain the different scales on all meters. Make a voltage and resistance measurement using at least 2 different scales.
5. Demonstrate how to check the fuse/breaker on the safety Multimeter.
6. Explain why safety meter, is used for checking resistance on explosives only
7. Explain why safety multimeter can be used for checking electrical circuits as well as resistance on explosive.
8. Demonstrate how to check and replace the batteries of all maters used in the cell/unit.

Comments By Field Engineer:

Comments By Crew Chief : Good.

Name Operator	Keith Anak Ramlan	Signature		Date	23/1/24
Name FE/SCC	Fabian S.	Signature		Date	23/1/24

METERS

2. i) Megger
   - To check insulation cable head, adaptor, collectors.

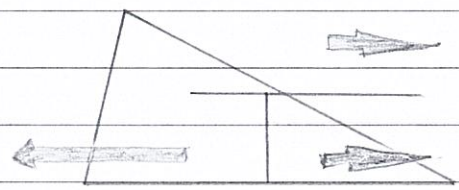
   ii) Blasting Meter
   - To check resistance for explosive tools.

   iii) Radioactive Survey Meter
   - To check radioactive leakage in radioactive tools.

4. Alternating current keeps switching direction periodically forward and backward. While DC flows in a single direction steadily.

5. In a series circuit, the output current of the first resistor flows into the input of the second resistor; therefore, the current is the same in each resistor. In a parallel circuit, all of the resistor leads on one side of the resistors are connected together and all the leads on the other side are connected together.

6. Current is directly proportional to voltage and inversely proportional to resistance.



Dimension Bid	JFO Task				
Trainee Operator	Smart Head II				
	Aptitude	Level	1	Task sheet	1/4

Objective:

After the completion of this subject operator should be able to explain what the purpose of the smart head II is. They should know how to mount it and perform a simple test.

Theory

1. Discuss the purpose of the smart head II and its importance to the service which Dimension bid provides.	✓
2. Read through the procedure in the smart head II maintenance Manual	✓
3. Explain the basic function of the Smart Head II	✓
4. Briefly describe the operation of the smart head II.	✓
5. Explain which wheels need to be changes when mounting the smart head on a different cable to the one last used.	✓
6. Explain how to inspect the smart head II and prepare the smart head II for operations as well as secure it after the job	✓
7. How many feet/meter should the smart head II read for 10 revolutions of one wheel?	✓
8. Explain which of the wheels need to be change when the cable is changed?	✓
9. Explain what the horizontal guide roller are used for and when should they be changed?	✓
10. What is difference Smart Head ii with AM5K?	✓
11. Explain encoder principle and load cell principle.	✓

Practical

1. Properly wash and lubricate the smart head II wheels. Perform a PPM on at least 2 smart head II.	
2. Correctly change the wheels, when the cable is change	
3. Demonstrate how to zero the depth and tension counting the number of revolutions.	✓
4. Correctly select and install the correct guide wheels on your smart head II	

Comments By Field Engineer:

Comments By Crew Chief : Need more exposure in the real job.

Name Operator	Keith Anak Ramsh	Signature		Date	23/1/24
Name FE/SCC	Abdul Hanim	Signature	✓	Date	23/1/24

SMART HEAD II

1. The smart head II is a combined depth and tension measuring head, that also generates lateral force signals. The measuring is designed to be self-aligning to the orientation of the wireline between the drum and the wellhead. It pivots around a vertical and horizontal axix, so that it effectively "floats" on the wireline. The depth (wellhead side) and tension (drum side) sections pivot independently, so that the measurehead can "bend" around the wire. The overall construction ensure that the measurehead is never subjected to excessive force, and that the measurement components receive minimum mechanical shock, and always engage positively with the wireline.

3. To measure depth tension, dift tension and speed.

4. Measuring Head Rig-up.
   - To rig-up the smarthead for measuring head for operation you must complete two procedures.
   - Thread wireline through the measure head.
     1. Ensure smarthead is properly mounted for operation and release any transport lock.
     2. Set the wireline winch in operation made with the system energized and the control test.
     3. Using the winch control, lower the level wind mechanism and position the smarthead centre of the winch drum.
     4. Disable all mechanism movement by operating the unit winch shutdown or emergency.

5. Depth measurement wheel. Change to wheel no.2 for 9/32" cable.

7. 20 feet.

8. Depth measurement wheel.

No.: Date:

9. The horizontal guide roller are use for guiding the cable from mast shave wheel to smarthead. The guide rollers need to be changed if it is jammed or unable to turn.

11. The principle of encoder:

1) Encoder measure speed using light sensor.
2) Light will pass through encoder pulley hole to encoder optical sensor.

The principle of load cell:

1) Higher cable push the pulley upwards, higher the reading on tension gauge.
2) Stone will give signal to strain gauge circuit.

Dimension Bid	JFO Task				
Trainee Operator	Tool Handling				
	Aptitude	Level	1	Task sheet	1/4

Objective:
To demonstrate an understanding of how to correctly handle Dimension Bid Logging Tools.

Theory

1. Describe the correct procedure for moving tools around in the base
2. Describe the correct procedure for moving tools around on the wellsite
3. What safety hazards exist when handling logging tools?
4. Explain why we should always attach a guideline to tools being lifted out of reach by a crane.
5. Explain what hazards may exist when lifting tools from horizontal to vertical for rig up
6. What is the function of an end-cap? Why should we keep it on even when tools are not being moved?
7. What precaution should we take when removing the tool electronics from the housing?

Practical

1. Demonstrate how to correctly lift a tool from the floor or rack onto a trolley or workbench?
2. Demonstrate how to use a pipe wrench correctly.
3.

Comments By Field Engineer:

Comments By Crew Chief :

Name Operator	Keith Andrew Ramson	Signature		Date	07/8/23
Name FE/SCC	STEPHEN J.	Signature		Date	9/8/23.

No.: ..... Date: .....

TOOL HANDLING

1. Tools should be lifted carefully, especially electrical tool such as MIT, PLT, memory tools. This tool should be kept in pelican box to avoid from damage.

2. Tools should be lifted using a crane when at the wellsite if the tool heavy. Place the tool near storage box so as not to disturb during rig-up activity.

3. Hazard logging tools, radiation tools, heavy tools, such as MIT. Buddy system when lifted tools.

4. Essentially tag lines should be used to help stabilize a load while enabling personnel to maintain a safe distance from the load. They are recommended in most situations to prevent damage to the load, surrounding equipment and/or personnel.

5. Failure of lifting tools, falling tools and workers being crushed by a moving load or lifting tools.

6. End-cap for prevent tools safe from water and avoid thread from damage.

7. Electronics tools are very sensitive such as MIT tools. We must be careful when removing electronics tools from housing because there has wires/cable that can easily break.

Dimension Bid	JFO Task				
Trainee Operator	Tools				
	Aptitude	Level	1	Task sheet	1/4

Objective:

To obtain a basic knowledge of service performed by Dimension Bid.

Theory

1. Select 3 primary service/tools commonly run in your location please write the first service and tool selected. — li —
2. Please write the second service and tool selected. — li —
3. Please write the third service and tool selected. — li —
4. What are the basic measurements we can obtain from these tools? — li —
5. Why are these measurements important to the client? — li —
6. What are the temperature and pressure limitations of these tools? — li —
7. What electrical risks exist with these tools? — li —
8. Are there any radiation risks from these tools and what can we do to minimize them. — li —
9. What mechanical risks (like pinch point) exist with these tools. — li —
10. Do these tools contain any trapped pressure? — li —

Practical

1. Perform a complete PPM for each of the selected tools
2. Connect the tool correctly in combination with other tools.
3. Assist an engineer or technician with a before and after calibration of this tools at least 3 times if applicable.
4. Perform a complete PPM level-1 and level-2 for ART

Comments By Field Engineer:

Comments By Crew Chief :

Need more exposure in the real job.

Name Operator	Keith Arnale Ramsu	Signature		Date	23/1/24
Name FE/SCC	Abdul Hamim	Signature	li —	Date	24/1/24

TOOLS

1. i) Weight Bar
   ii) PCT
   iii) MIT

2. MPLT (Multi Production Logging Tools).

3. Tubing integrity evaluation services - MIT.

4. MPLT - Pressure, Temperature, Flow Volume, GAPI, Fluid Identification.

5. PL : To obtain data of pressure and temperature of the well in certain depth.
   MIT : To obtain the condition of the tubing wall.

6. 400 and 600.

7. When condition bad weather make electrical tools short.

8. No. If there is a radiation tool. Use designated radiation pelican or storage box to store any radioactive material and do not have any contact directly to the material.

9. Yes, please do aware on pinch point during handling or servicing the tool and assisting personal during MIT calibration since the jig calibration is heavy.

10. Yes, during run in hole which also depend on well SITHP.

Dimension Bid	JFO Task				
Trainee Operator	Wireline Units				
	Aptitude	Level	1	Task sheet	1/4

Objective:
To learn the basic requirements for operating a standard Dimension Bid winch unit.

Theory

1. List the different unit type used in your location. Describe what is meant by Zone 1, 2, and "safe area" and how they affect the placement of units in your location.
2. Describe requirements and importance of pre-job and post-job mobilization check for units used in your location.
3. Describe the procedure involved in electrical and hydraulic power-up of a unit commonly used in your location or unit. Pay careful attention to the correct order or power up sequence.
4. Explain any safety hazards or concerns that may exist with powering up such a unit.
5. Explain to the FE or Crew chief where to locate the winch mans panel and describe basically how to operate it.
6. Explain briefly how to operate the winch, put the brakes on, change the level speed, operate the cable spooling arm.
7. Explain the correct procedure for filling fuel into the unit if applicable. How often should this be done?
8. Why cabin unit should to be pressure rise? And how long to pressure rise the unit?

Practical

1. Correctly assist a senior operator to spot, and secure an offshore unit.
2. Together with a senior operator complete a fit of a common unit at least 3 times. Demonstrate in particular how to check: break bands, any fluid or oil levels and the correct procedure for filling fuel if necessary.
3. Assist a senior operator to power up and power down a unit commonly used in your location on at least 3 occasions.

Comments By Field Engineer:

Comments By Crew Chief : Good, know how to set up unit and equipment

Name Operator	Keith Imuk Rumba	Signature		Date	23/1/24
Name FE/SCC	Fabrian Sugiap	Signature		Date	24/1/24

WIRELINE UNITS

1. I. Mast System = Intensifier Mast
II. Logging System = Winch, logging cabin, power pack.
III. Auxiliary Equipment = Generator, Air Compressor
IV. Pressure Control Equipment = PCE
V. Storage Equipment = Storage Container, Open Basket, Explosive Box.

Zone 1

- An area in which an explosive gas atmosphere is likely to occur in normal operation.

Zone 2

- An area in which an explosive gas atmosphere is not likely to occur in normal operation and, if it occurs, will only exits for a short time.

Safe Area

- This area is an area that is safe from explosive gas atmosphere.

2. Prejob is safely check carried out an equipment before using the item. Usually this required for base, equipment and machinery before start up or daily use. Pre-inspection is a routine check carried out by the equipment operator, usually with the help of inspection checklist.

3. The system uses a pump to support fluid hydraulic design.
   - Check engine oil level and coolant of power pack.
   - Make sure all connection horse head safety has whipcheck.
   - Power up power pack.
   - Set the RPM to 1800.
   - Turn on genset button.
   - Pressurize cabin unit.
   - Switch on electrical port.

No.: ..... Date: .....

4. Electrical shock.

5. Winch position must front.
   - For operate:
   i) On smart monitor.
   ii) Test winch in hole / out hole.
   iii) Test brake.
   iv) Test spooling control up and down.

7. Check oil level every 8 hours and refuel using Mr. Funnel.

8. To prevent gas and chemicals from entering the cabin.

Dimension Bid	JFO Task				
Trainee Operator	Winch Driving 1				
	Aptitude	Level	1	Task sheet	1/4

Objective:

To learn the winch controls and winch driving techniques, in order to be able to drive the winch under normal logging conditions. Obtain level 1 winch driving certification.

Theory

1. Describe the use of all controls and gauges on the Winch man's control panel.	✓
2. Describe why a minimum tension is required as the cable is un-spooled. And explain why the tension increases while running in hole.	✓
3. Explain the reason for using a Z-chart	✓
4. Describe proper hand signals for winch operation.	✓
5. Describe proper use of tension device during winch operation and explain the dangers involved when re-spooling cable onto the drum.	✓
6. Explain how to do when you notice a sharp increase or decrease in tension.	✓

Practical

1. Discuss proper setting in the winch unit with your supervisor	✓
2. Practice operating the winch in the shop, under supervision. Rotate the drum up and down until you feel comfortable with the controls.	✓

Comments By Field Engineer:

Comments By Crew Chief :

Name Operator	Keith Hnak Rambu	Signature		Date	25/1/24
Name FE/SCC	Abdul Hanim	Signature	✓	Date	25/1/24

WINCH DRIVING 1

1. I. Main Pressure
   - ▷ Gauge (0 to 400 bar 500 psi) the hydraulic pressure generated by the main hydraulic pump.

   II. Control Pressure
   - ▷ This gauge (0 to 400 bar 500psi) shows the hydraulic control pressure which is used for controlling the hydraulic system.

   III. Air Pressure
   - ▷ This gauge shows the air pressure in system.

   IV. Throttle
   - ▷ Is dail control the engine speed.

   V. Tachometer
   - ▷ Gauge shows the RPM of the engine.

   VI. Emergency stop
   - ▷ Push this button in case an emergency, this will automatic stop the engine and immediately shut down the unit.

   VII. Horn
   - ▷ Push horn button to sound in case anything signal.

   VIII. Dual Control Level.
   - ▷ This level controls the speed and torque obtained from the hydraulic motor the maximum up or down position will generated fastest drum speed (greatest hydraulic flow) with the least available torque.

2. Minimum tension is required to alert winchman if the tool stuck during run in hole. Minimum tension device is functioning to prevent loose cable.

3. The reason for using a Z-chart is in case the smart monitor and smart display suddenly shut down. We will have the Z-chart to identify plus minus depth of our toolstring.

5. Set the tension device limit so that tension will not exceed 75% of cable breaking strength. The danger involved when re-spooking are

No.: ..... Date: .....

when tension increase sharply because it was cause our to overall or break the weak point.

6. Once notice a sharp increase or decrease in tension, inform the engineer immediately stop winch.

Dimension Bid	JFO Task				
Trainee Operator	Power Pack				
	Aptitude	Level	1	Task sheet	1/4

Objective:
To learn the power pack controls techniques, in order to be able to start the power pack and troubleshot.

Theory

1. Describe the use of all controls and gauges on the power pack mans control panel. — i —
2. Describe why a minimum RPM is required for running the unit and explain why? — i —
3. How many running hours the power pack should be PPM and list the all part to be change/service? — i —
4. Describe proper hand signals to start/run up the power pack. — i —
5. What is the main purpose of the radiator in the diesel driven power pack? — i —
6. What is the main purpose of the water pump in the diesel driven power pack? — i —
7. What is the main purpose of the fuel/water separator pump in the diesel driven power pack? — i —
8. What type of power pack being using in DB'S E-line 1st package and what type of engine? — i —
9. How many sources power pack can supply? — i —
10. The generator power pack can generate how many volts? — i —

Practical

1. Run the power pack on at least 4 jobs under supervision — i —
2. Discuss proper setting in the power pack with your supervisor — i —
3. Do the PPM at least 3 times. — i —

Comments By Field Engineer:

Comments By Crew Chief :

Name Operator	Keith Anak Ramba	Signature		Date	25/1/24
Name FE/SCC	Abdul Hasim	Signature	— i —	Date	23/1/24

POWER PACK

1.
- RPM / Rotating Per Minute
- Oil Pressure
- Air Pressure
- Emergency Stop
- Exhaust Temperature
- Start Pressure
- Hydraulic Oil Pressure
- Generator Start
- Generator Stop
- Generator Lighting
- Engine Start
- Engine Stop

2. To ensure that it can handle the load of the system.

3. 200 hours. Make sure do the PPM if more than 200 hours.

4. For hand signal RPM is up / down system.

5. A radiator is the key component of the engine cooling system. To maintain the engine not overheat.

6. Water pump cooling system for engine oil and hydraulic system.

7. The water separator helps to ensure that only clean, water-free fuel is delivered to the engine, thus maintaining its performance and longevity.

8. Type of package for E-line is Iveco Power Pack.

9. Hydraulic supply, Air supply, Electric Supply.

10. 240v, 12v.

Dimension Bid	JFO Task				
Trainee Operator	Air Compressor				
	Aptitude	Level	1	Task sheet	1/4

Objective:

To learn the air compressor controls techniques, in order to be able to start the air compressor and troubleshot.

Theory

1. Describe the use of all controls and gauges on the air compressor mans control panel.
2. Describe why a minimum RPM is required for running the unit and explain why?
3. How many running hours the air compressor should be PPM and list the all part to be change/service?
4. What is the meaning of the PMT, and why this PMT need to retest?
5. What is the main purpose of the radiator in the diesel driven air compressor and how much radiator install in compressor?
6. What is the main purpose of the water pump in the diesel driven air compressor?
7. What is the main purpose of the fuel/water separator pump in the diesel driven air compressor?
8. What type of air compressor being using in DB'S E-line 1st package?
9. How many CFM for this air compressor?
10.

Practical

1. Run the air compressor on at least 4 jobs under supervision
2. Discuss with your supervisor/SCC why we need more 100 CFM?
3. Do the PPM at least 3 times.

Comments By Field Engineer:

Comments By Crew Chief :

Name Operator	Keith Amak Rumbon	Signature		Date	9/8/22
Name FE/SCC	STEPHEN J.	Signature		Date	9/8/22.

No.: ..... Date: .....

AIR COMPRESSOR

1. I. RPM Meter = Show the RPM of the engine.
   II. Engine oil Pressure = Show oil pressure engine at gauge.
   III. Coolant Temperature = Gauge show the temperature of radiotor engine.
   IV. Working Air Pressure = Gauge show air supply from air compressor.
   V. Exhaust Temperature = Gauge show temperature of engine exhaust.

2. Minimum RPM is required for running the air comp to stabilize air supply 1500 - 1600 rpm.

3. 400 hours.
   - Change water cooling.
   - Check belting.
   - Check ESD
   - Check General Condition.
   - Change Oil Filter
   - Change Engine oil.
   - Change Compressor Oil Filter.

5. The main purpose of radiator in the diesel driven air compressor is the prevent the engine from overheat.

6. Main purpose of water pump in the air compressor is to circulate the radiator coolant.

7. The main purpose water separator pump is to separate water from fuel.

8. ADEX ZONE 2 T3 200°c.

9. 190 cm.

Dimension Bid	JFO Task				
Trainee Operator	Generator/Genset				
	Aptitude	Level	1	Task sheet	1/4

Objective:

To learn the Genset controls techniques, in order to be able to start the generator and troubleshot.

Theory

1. Describe the use of all controls and gauges on the generator/genset mans control panel.
2. Describe why a minimum RPM is required for running the unit and explain why?
3. How many running hours the Generator/genset should be PPM and list the all part to be change/service?
4. Discuss at least 3 generator/genset failures that have occurred in your location and explain the root cause.
5. What is the main purpose of the radiator in the diesel driven generator/genset?
6. What is the main purpose of the water pump in the diesel generator/genset?
7. What is the main purpose of the fuel/water separator pump in the diesel driven generator/genset?
8. What type of generator/genset being using in DB'S E-line 1st package?
9. How many sources generator/genset can supply?
10. How to get 240V from 415V supply?
11. Why we need to test generator/genset with load bank test?

Practical

1. Run the generator/genset on at least 4 jobs under supervision
2. Help a senior operator to check voltage at terminal box.
3. Do the PPM at least 3 times.

Comments By Field Engineer:

Comments By Crew Chief :

Name Operator	keith Anak Ramsn	Signature		Date	23/1/24
Name FE/SCC	Abdul Hanim	Signature		Date	23/1/24

No.: ..... Date: .....

GENERATOR / GENSET

1. ◦ Start Button - Press the button to intiate the start sequence of the engine.
   ◦ Stop Button - Press the button to intiate the stop of the genset.
   ◦ Fault Reset Button - Use this button to acknowledge alarm and deactivate the horn output.
   ◦ Horn Reset Button - Use this button to deactivate the horn output.
   ◦ Mode left Button - Use this button to change the mode. The button works only if the main screen with the indicator of currently selected made display.
   ◦ Genset Failure - Red LED start flashing when genset failure occurs. After fault reset button is pressed, goes to steady light.
   ◦ Genset Voltage OK - Green LED is on if the generator voltage is present and within limits.
   ◦ Page Button - Use this button to switch over display pages. See displays screen and pages structure chapter below this table for more detail.
   ◦ Up Button - Use this button to move up or increase value.
   ◦ Down Button - Use this button to move down or decrease value.
   ◦ Enter Button - Use this button to finish editing a set point or moving right in the history page.
   ◦ Screen - Graphic B/W display 128 x 64 pixel.

2. A minimum RPM is required for running the unit to stabilized the electrical supply.

3. 200 running hours.
   ◦ Engine oil filter change.
   ◦ Engine oil change.
   ◦ Check the tension and condition of drive belt.
   ◦ Fuel filter element change.
   ◦ Water separator change.
   ◦ Check the concentration.

No.: ..... Date: .....

- Clean the air filter.

5. The main purpose of radiator in the diesel driven generator is to prevent the engine from overheat.

6. The main purpose of water pump in the generator is to circulate the radiator coolant.

7. The main purpose of water separator filter in the generator is to separate water from fuel.

8. ADEX 3G ZONE 2 T3 200°C.

9. 1, which is electrical supply. 3 phase 50 Hz 45 KVA.

10. The phase-to-neutral voltage is 1/^3, so a 415v phase-to-phase system has a phase-to-neutral voltage of 415/^3 = 240v.

11. A load bank generator test puts a generator under varying load conditions and see how the machine reacts the power draw. While you can use other means of testing generators, load banks offer the most accurate means of testing the power equipment.

Dimension Bid	JFO Task				
Trainee Operator	Mast				
	Aptitude	Level	1	Task sheet	1/4

Objective:
To learn how to properly assemble and install all equipment required for Rig-Up/down mast.

Theory

1. What is the material of Skyfold mast body made off?
2. Why Skyfold/telescopic mast need to Load test?
3. How many feet telescopic mast can be extend?
4. What maximum wind speed if all wire guides is used?
5. What main function of man ride button?
6. What max load for man ride?
7. What max load can apply for horse head?
8. List the entire safety guide at mast.
9. What is the lifting capacity (max Load) can be lift up using main hoist?

Practical

1. Participate in at least2 rig ups with a senior operator.
2. Help a senior operator position the mast correctly.
3.
4.

Comments By Field Engineer:

Comments By Crew Chief : Good. Know how to operate and RIG up Mast

Name Operator	Keith Anak Ramba	Signature		Date	23/1/24
Name FE/SCC	Jaboran S.	Signature		Date	23/1/24

No.: ..... Date: .....

MAST

1. Skyfold mast body made by aluminium.

2. Function load test break winch, coloum body and make sure hydraulic not leak.

3. Telescopic mast can be extend 27 ft to 70 ft (5 section).

4. Maximum wind speed need to used guide wire is 60mph (52 knot) at fully variable.

5. Function "Man Ride" button use to man ride for disconnect tool / lubricator if the mast can't rig - down.

6. Maximum man ride load 150 kg from SWL.

7. Combine load 2000ibs (9.1 ton).

8. High hook, slack wire, last tree cap, ESD, horse head, hydraulic power.

9. Lifting capacity (max load) using main hoist is 1.5 mt for SWL and 2mt maximum load.

Dimension Bid	JFO Task				
Trainee Operator	Pressure Control Equipment				
	Aptitude	Level	1	Task sheet	1/4

Objective:
To learn how to properly assemble and install all equipment required for Rig-Up/down.

Theory

1. List all equipments and function all rig up equipments.
2. Where is the ball check valve (safety union) positioned in the bralded line surface pressure equipment rig up?
3. List 3 types of Quick Union that you know?
4. What is the bird nest incident?
5. Which one is the primary barrier during an Eline operation?
6. What is the meaning of BOP?
7. What is the function of an equalizing valve in a BOP?
8. Why we need to pressure test (hydro test) all PCE.

Practical

1. Participate in at least2 rig ups with a senior operator.
2. Help a senior operator to rig up/down PCE correctly.
3.
4.

Comments By Field Engineer:

Comments By Crew Chief : Always keen to learn and upgrade knowledge about PCE

Name Operator	Keith Hanh Ram bn	Signature		Date	23/1/24
Name FE/SCC	Fabian Sunglap	Signature		Date	24/1/24

No.: Date:

PRESSURE CONTROL EQUIPMENT

1. I. Grease Injection Control Head

▷ Grease injection control head creates a seal around a moving wireline, allowing intervention access to wells under pressure.

II. Ball Check Valve

▷ Ball check valve is safety device for installation control head. It will seal off the well in the event of the cable being broken / pulled out of the grease injection head.

III. Tool Trap

▷ Hydraulic tool trap with external indicator protects the wellbore from inadvertent tools pull-off.

IV. Wireline Valve

▷ The elmar compact wireline valve is a mono-block construction and is designed for use in single, duel, triple or quad configuration - multiline ram seals allow the use of the same seal configuration for electric and slickline.

V. Pump-in Sub

▷ The elmar pump-in sub is designed to allow introduction of high volumes of fluid into the well via hammer lug type connection.

VI. Tools Catcher

▷ The elmar tool catcher is used to catch and hold the tool safety both during pressure testing and in the event of the cable being inadvertently pulled off at surface thus preventing a possible finish job.

VII. Lubricator Section

▷ The elmar lubricators are used to insert and retrieve a tool string on a well under pressure.

VIII. Quick Test Sub

▷ The elmar quick test sub (QTS) is designed to save substantial rig time while pressure testing the wireline pressure control equipment string in multiple run operation.

IX. Wellhead Adaptor

▷ The elmar wellhead adaptor provides a means of connecting

No.: Date:

in a safe manner the wireline pressure control equipment string to the wellhead.

2. Ball check valve is located top tool catcher.

3. Otis, Bowen, Elmar.

4. Bird nest incident is when 1 of the armor loose and broken snap inside the lubricator and stuck inside the PCE.

5. HGT - Stuffing Box (while cable stop)

6. Blow Up Preventer - To prevent pressure blow up.

7. To equalize pressure from BOP.

8. To make sure there is no leak or possible for pressure from well to atmosphere during RIH.