DIMENSION BID
WELL INTERVENTION | PERFORATION SERVICES

TECHNICAL OPERATIONAL SUPPORT
Operator Task

Junior Field Operator to Field Operator

Document Details

Field Operator	:	Mohd Razwan Bin Roslan
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Cased Hole Service (CHS)			
	Name / Position	**Signature**	**Date**
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Reviewed by	**Abdul Rahman Kamal** General Field Engineer		15-12-2017
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

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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				
DB Organization	Abdul Halim	30.8.23		31/3/24.
The Oil Industry	Abdul Halim	10.10.23		

Maintenance Task Sheets

	FE / SCC	Date	FSM	Date
O-Rings				
Mono Cable	ABDUL HALIM	11.2.24		31/3/24.
Cable Head	ABDUL HALIM	25.12.23		
Meters	ABDUL HALIM	25.12.23		
Smart Head II	ARSAD LADOLO	12/3/24		

Operations Task Sheets

	FE / SCC	Date	FSM	Date
Tool Handling	ABDUL HALIM	23/1/24		31/3/24.
Tools	ABDUL HALIM	20/2/24		
Wireline Units	JE221E	12/3/24		
Winch Driving	ABDUL HALIM	17/1/24		
Power Pack	ARSAD LADOLO	12/3/24		
Air Compressor	ABDUL HALIM	21/2/24		
Generator/Genset	ABDUL HALIM	4/3/24		
Mast	ABDUL HALIM.	27/3/24		
Pressure Control Equipment	JE221E	13/3/24		

Safety Task Sheets

	FE / SCC	Date	FSM	Date
General Safety	ABDUL HALIM.			31/3/24.
Explosives Safety	ABDUL HALIM	13/3/24		
Wellsite Safety	ABDUL HALIM	13/3/24		
Pressure Safety	ABDUL HALIM	13/3/24		

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 to FO

FSM Signature:		Date	31/3/24

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

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?	li
2. Describe the safety equipment provided in the shop for your use and the reason for each piece.	li
3. Discuss the proper lifting techniques for handling pieces of Dimension Bid equipment and explain the logic involved.	li
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.	li
5. With an Engineer discuss all the safety hazards that may be encountered at the wellsite.	li
6. Become familiar with the emergency signals on rigs. And what each signal is for	li
7. Participate in location safety meeting.	li

Practical

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

Comments By Field Engineer:

Comments By Crew Chief : Good knowledge, have some note and basic training Skill.

Name Operator	MOHD RAZWAN	Signature		Date	14/7/2023
Name FE/SCC	Abdul Hanim	Signature	li	Date	30/8/2023

GENERAL SAFETY

1- Coverall (FRC), SAFETY BOOTS, SAFETY HELMET, SAFETY GLASS,

2-

3-

4- ABC POWDER TYPE, CO^2 Type.

5- SLIPPERY FLOOR, HIGH PRESSURE RELEASE, HEAVY LOAD, WORKING AT HIGH HIGH NOISE, FATIGUE MANAGEMENT, MIS communication,

6-

7-

1) FRC COVERALL , HARD HAT , SAFETY BOOTS , SAFETY GLASS.

2) Impact Resistant Glove → to reduce hand injury due to impact of an object

Safety Harness → Prevent the wearer from falling at height. risk of injury is reduced From a Fall.

Ear Muff / Plug → To reduce hearing injury at the noisy area.

Reflective Vest → Easy For other people to see ~~during~~ at low light or at night.

Chemical Gloves → use to protect user from hazardous and toxic chemicals.

Helmet Shield Visor → To protect Face from flying object.

Disposable Coverall → an effective Shield to reduce the risk of ~~exposure~~ chemical exposure.

3) Slowly lift by Straightening your hips and knees, Keep your back Straight and dont twist as you lift. hold the load as closed to your body as possible at the level of your belly button.

4) ABC Dry Powder → used to extinguished Fire on woods, paper / cloth, trash, Flammable liquids

water type → Used on Paper and woods.

carbon dioxide CO^2 → to extinguished Fire on electrical equipment.

Foam → to extinguised Fire on woods, paper and Flammable Liquids.

5) SLIPPERY AREA, HEAVY LOADS AND EQUIPMENT MOVING AROUND FROM ALL DIRECTION, HEIGHTS, Presence of flammable fluids and Poisonus Gas Such as H2S, MACHINERY, VEHICLES AND NOISE.

6) Emergency Alarm / H2S Gas → High / low electronic siren ringging on the General Alarm Followed by PA announcement.

BOAT STATION → continious ringging of General Alarm bell.

ABANDON RIG → ORDER Given verbally by O.I.M.

ALL SECURE → Three Short rings of the General Alarm Bells.

MAN Overboard. → Shout "man overboard" and keep in Sight the man Overboard. PA Announcement will be made to call the team incharge.

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:

Comments By Crew Chief :

Name Operator	MOHD RAHMAN	Signature		Date	23/8/2023
Name FE/SCC	Abdul Hanim	Signature		Date	10/10/2023

2) Discontinue all electric welding job.

- link grounding cable from logging ~~cable~~ cabin to power pack and Generator.
- Turn off all the electrical cathodic protection system
- check voltage between the platform, casing and cable armor, using a multimeter.
- Eliminate it at its source if present.
- Do not Proceed with the job if the area ~~is~~ is in access of residual voltage of 0.20 V. between platform, casing and cable armor.
- Install safety grounding straps between the unit, platform and casing.
- Turn off all radio frequency (RF) transmeters (radio, radar, RF wireless network etc) within 250 ft of the well.

3) in order to safely transport ~~the~~ the ~~explosive~~ explosive, there must be an escort by police from ~~bunker~~ explosive bunker to destination.

4) Keep well explosive storage area clean, dry and orderly.
Rotate the inventory of explosive material, making sure to use the oldest stock first, never use damaged or deteriorated explosive materials. Including initiation (Detonating) device, boosters, dynamite and blasting agents.

5) All gun must be safely relieved of any trapped pressure immidiately upon removal from well according to the instruction ~~from~~ in the com.

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

Practical

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

Comments By Field Engineer:

Comments By Crew Chief :

Name Operator	MOHD RAWAN	Signature	[signature]	Date	3/2/2024
Name FE/SCC	[illegible]	Signature	[signature]	Date	10/2/2024

1. A) WORK WITH VALID WORK PERMIT
B) VERIFY ENERGY ISOLATION BEFORE WORK
C) OBTAIN AUTHORIZATION BEFORE OVERIDING
D) OBTAIN AUTHORIZATION BEFORE ENTERING CONFINED SPACE
E) PROTECT YOUR SELF AGAINST FALL WHEN WORKING AT HIGH
F) USE CORRECT ~~PER~~ PPE WHEN HANDLING CHEMICALS
G) OBTAIN AUTHORIZATION BEFORE EXCAVATION OR ENTERING TRENCH
H) DO NOT POSITION YOUR SELF UNDER A SUSPENDED LOAD
I) DO NOT SMOKE OUTSIDE THE DESIGNATED AREA
J) DO NOT USE MOBILE PHONE WHILE DRIVING, FOLLOW THE SPEED LIMIT AND USE YOUR SEAT BELT.

2. A) LIFE VEST / JACKET – USUALLY USED WHEN TRANSFER BOAT.
B) ESCAPE SET – USED ON H2S AREA, (Eg:- WELLHEAD AREA)
C) GAS DETECTOR / PERSONAL GAS DETECTOR – USUALLY USED ON H2S AREA
D) LIFE BOAT
E) FIRE EXTINGUISHER

3. A) SLIPPERY FLOOR → MAKE SURE TO KEEP FLOOR ALWAYS CLEAN FROM OILY, ALSO
→ MAKE SURE TO CHECK SAFETY BOOT CONDITION AS WELL
→ ALWAYS DO HOUSEKEEPING AT WORKSITE

B) NOISY AREA → PUT BARRICADE AND SINAGE AT THE AREA
→ ALWAYS PUT EAR PLUG AND EAR MUFF TO DOUBLE THE BARRIER

C) TRIP AND FALL → PUT BARRICADE AT THE HAZARD AREA
→ PUT SINAGE AS WELL
→ LET THE CREW KNOW WHERE THE HAZARD SO THEY AWARE.

D) SHARP EDGES → WATCH WHERE YOU PUT YOUR HAND
→ COVER THE SHARP EDGES WITH COTTON RAGS
→ USE HANDGLOVES

E) Lifting ACTIVITY → Stop work when there is lifting activity in the area.
→ Do not walk under suspended load.
→ ~~When we do~~ Ensure there enought tag line before proceeding on lifting
→ Ensure only competant personel is on the area.
→ Put Sinage on the lifting area.

4. 1) FIND A SUITABLE SPOT WHERE CLEARLY CAN SEE THE MAST, WINCH AND POWER PACK.
2) MAKE SURE TO PUT THE LOGGING UNIT FACING THE WINCH AND MAST.
3) ALSO DONT FORGET TO PUT GROUNDING TO AVOID ELECTRICAL SHORT.
4) ~~EQUIP~~ LOCAL DIFFICULTIES USUALLY
A) DECK SPACE → CONGESTED AREA WITH OTHER EQUIPMENT
→ SMALL DECK SPACE
B)

SAFETY

5) Safety Precautions During Rig Up ~~&~~ Procedure,
→ Ensure All personnel wear Full PPE.
→ Keep all chords and hoses orderly and clear of walking area
→ use barrier tape around working area
→ clean and clear all the walkways and walking area to prevent slip, trip and fall Hazards.

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	MOHD IRAZWAN	Signature		Date	20/12/2023
Name FE/SCC	Fabrican S.	Signature		Date	11/2/24

1) OPEN HOLE → refers to Exploration, operations that are performed on well Before the wellbore is cased.

Cased HOLE → A well casing or well piping that is inserted into the well during completion operation. A complete well ~~production~~ which may have started production.

Production wells → is the type of wells used to extract oil and gas From reservoir.

2) Mud System → help to ~~stop~~ Suspend rock cuttings, control well pressure, Stabilize exposed rocks, and provide buoyancy. it also cools and lubricates the wellbore allowing rock cutting to move ~~slowly~~ smoothly to the Surface.

Overbalance and underbalance Diff → overbalance is circulating overpressure which can cause lost circulation where large amount of mud is entered the Formation and lost, ~~which~~ lead

→ UNDERBALANCE, Having slightly underbalance is often useful condition which can gain Balance BHP conditions by Flowing faster with circulating pump. and slight underpressure causes the bottom hole to drill faster. but if it Becomes more ~~with~~ underbalance, it may cause blow out.

3) Trapped Pressure → Usually found between connection O-rings and thread.

4) Blow Out → is the uncontrolled release of crude oil or Natural gas from an oil well after the PCE (Pressure control ~~Failed~~ Equipment) Failed.

5) MPWHP → Maximum Possible Well Head Pressure, Upstream and Downstream Pressure

WHP → WELL HEAD PRESSURE, the main pressure of well which can be checked on top of wellhead.

6) High Pressure low volume Dangers, may cause Blow Out if not controlled Properly. and may cause Explosion or Fire.

7) Low Pressure high volume Dangers, May cause the well to collapse.

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	MOHD RAZWAN	Signature		Date	1/12/2023
Name FE/SCC	Abdul Hakim	Signature		Date	12.1.2024

1) - wait for instruction from the crew chief for today activity.
- received and understand the instruction given by crew chief
- record all the inventory in the dog house and tool house, ~~fill~~ top up if necessary
- record all the running hour of power pack, air comp and Genset, then let the crew chief know.
- ASSIST CREW chief in the field.

2) - Engineers → work Leader
→ Operate toolstring, check condition assisted by crew chief and operators.
→ Give order and instruction to crew chief and operators.
→ Update job, to FSM, WSS and EIC
Progress

3) PRINTED COPY*

4) Cell system → is a systematic and complete organization chart.

~~5) Cell System is a package complete package~~

6) - Coiled Tubing → cementing thru coiled tubing
→ Coiled tubing Perforation
→ Thru tubing Fishing and Milling
→ water and gas shut off
→ Well Killing

- Slickline service → clearing wax, scale, sand and fill build ups.
→ Slickline Perf
→ Memory Downhole Vision
→ Setting removeable plugs and retrieveable valves.
→ Fishing for tools and wire.

- NEURAL OILFIELD SERVICE → well completions.
→ Reservoir management and exploration.
→ PLUG and Abandonment.
→ well Integrity.

5) Cell System → same man power within the same equipment and unit.
Pool System → a system that always change equipment, unit and personnel.

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 :

Name Operator	MOHD RAZWAN	Signature		Date	9/3/2024
Name FE/SCC	Abdul	Signature		Date	14/3/2024

DIMENSION BID

HARASSMENT IN THE WORKPLACE POLICY

DIMENSION BID (M) SDN BHD objective is to provide a work environment that fosters mutual respect and working relationships free of harassment. **DIMENSION BID (M) 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
Chief Executive Officer
DIMENSION BID (M) SDN BHD
Date: 17th January 2023

DIMENSION BID

SMOKING & VAPING POLICY

DIMENSION BID (M) 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 **DIMENSION BID (M) SDN BHD**.

DIMENSION BID (M) 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.

DIMENSION BID (M) 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.

.....

Dato' Aziz Ayob
Chief Executive Officer
DIMENSION BID (M) SDN BHD
Date: 17th January 2023

DIMENSION BID

POLISI KESIHATAN, KESELAMATAN, SEKURITI DAN ALAM SEKITAR (HSSE)

Pihak pengurusan **DIMENSION BID (M) SDN BHD** komited kepada menyediakan tempat kerja yang selamat dan sihat dan memastikan semua aktiviti perniagaan dilaksanakan dengan cara yang melindungi persekitaran. "Visi kami adalah untuk menjadi syarikat perkhidmatan telaga terhebat dalam HSSE dengan Tempat Kerja Bebas Kemalangan dan Kecederaan, tanpa memudaratkan manusia dan memelihara alam sekitar"

- Pencegahan kemalangan, kecederaan dan pencemaran.
- Pematuhan kepada semua yang berkenaan dengan dan keperluan kesihatan, keselamatan, sekuriti dan persekitaran untuk klien serta sebarang undang-undang dan peraturan yang berkaitan.
- Berterusan meningkatkan prestasi kesihatan, keselamatan dan persekitaran.
- Berkomunikasi dan mempromosi kesedaran tentang kesihatan, keselamatan, sekuriti dan persekitaran dalam kalangan pekerja, pelanggan, pembekal dan kontraktor.
- Memupuk budaya di mana kemalangan, kejadian dan kemalangan yang hampir-hampir berlaku dilaporkan dan disiasat dan pengajarannya dikongsi dengan seluruh organisasi.
- Memastikan semua pekerja dan pekerja kontraktor diberi latihan HSSE yang mencukupi dan berkenaan secara berterusan.
- Memastikan dan mempromosi persekitaran bekerja yang selamat dengan mewujudkan dan mengekalkan langkah-langkah keselamatan bersesuaian di semua lokasi operasi.
- Melindungi keselamatan para pekerja, asset kontraktor dan pelawat dengan mengambil semua langkah yang munasabah untuk mengurangkan ancaman yang dapat dijangka.

DIMENSION BID (M) SDN BHD memerlukan komitmen aktif kepada HSSE daripada semua pekerja. Di samping itu, pengurusan jaluran mempunyai peranan kepimpinan dalam berkomunikasi dan pelaksanaan dan memastikan pematuhan kepada polisi dan piawaian HSSE. **DIMENSION BID (M) SDN BHD** akan, apabila perlu, mengkaji semula polisi ini demi memastikan peningkatan berterusan Sistem Pengurusan Kesihatan, Keselamatan , Sekuriti dan Alam Sekitar.

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Dato' Aziz Ayob
Ketua Pegawai Eksekutif
DIMENSION BID (M) SDN BHD
Tarikh: 17 Januari 2023

DIMENSION BID

STOP WORK POLICY

Scope

This Stop Work Policy is applicable to all **DIMENSION BID (M) SDN BHD** operations and support locations.

Commitment

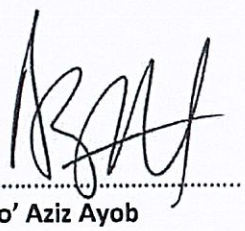
It is the Health, Safety, Security and Environment policy of **DIMENSION BID (M) SDN BHD** to maintain a safe and secure work environment against any risk or exposure to personal harm, property damage or adverse effects to the environment.

DIMENSION BID (M) 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.



Dato' Aziz Ayob
Chief Executive Officer
DIMENSION BID (M) SDN BHD
Date: 17th January 2023

DIMENSION BID

POLISI MEROKOK & ROKOK ELEKTRONIK

DIMENSION BID (M) SDN BHD amat prihatin bahawa merokok dan rokok elektronik bukan sahaja diiktiraf berbahaya kepada kesihatan, ia juga bahaya untuk keselamatan di tempat kerja kerana telah menjadi punca banyak kebakaran atau berlaku kejadian berpunca dari merokok dan rokok elektronik.

Semua pekerja perlu mengetahui polisi ini dan mematuhi peraturan dan garis panduan merokok dan rokok elektronik yang dikeluarkan oleh Kerajaan Malaysia dan pelanggan **DIMENSION BID (M) SDN BHD.**

DIMENSION BID (M) SDN BHD mengenakan larangan merokok dan menghisap rokok elektronik di dalam pejabat dan tapak kerja kecuali di tempat merokok yang disediakan. Pekerja, kontraktor, vendor dan sesiapa sahaja tidak dibenarkan merokok dan menghisap rokok elektronik semasa menjalankan tugasan masing-masing.

DIMENSION BID (M) SDN BHD akan mendidik dan memberi maklumat kepada pekerja di tempat kerja tentang bahaya merokok dan rokok elektronik dan ancaman kanser dan manfaat mengamalkan gaya hidup sihat.

Kejayaan polisi ini akan bergantung kepada keperihatinan, pertimbangan dan kerjasama pekerja yang merokok dan menghisap rokok elektronik dan yang juga tidak merokok.

Semua pekerja berkongsi tanggungjawab untuk mematuhi dan menguatkuasa polisi ini.

.....

Dato' Aziz Ayob
Ketua Pegawai Eksekutif
DIMENSION BID (M) SDN BHD
Tarikh: 17 Januari 2023

DIMENSION BID

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 **DIMENSION BID (M) 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. **DIMENSION BID (M) 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
Chief Executive Officer
DIMENSION BID (M) SDN BHD
Date: 17th January 2023

DIMENSION BID

POLISI PERALATAN PERLINDUNGAN DIRI (PPE)

Perancangan dan penilaian semua aktiviti kerja akan menimbangkan sebarang jenis bahaya dan jika perlu dipraktikkan, risiko terhadap bahaya tersebut akan dihapuskan atau dikurangkan. Saki-baki risiko mungkin masih ada, tetapi ia boleh dikurangkan dengan penggunaan PPE yang bersesuaian.

Adalah menjadi polisi **DIMENSION BID (M) SDN BHD** untuk memastikan PPE bersesuaian disediakan untuk semua dan selalu digunakan dalam aktiviti kerja. Pematuhan penuh dari anda dalam prosedur kerja yang terbukti selamat sepatutnya menghalang kemalangan dan kecederaan sampingan. PPE adalah langkah pertahanan terakhir bagi individu, tetapi ia mungkin tidak boleh melindungi anda jika anda gagal bertindak dengan selamat.

Setiap pekerja di tapak kerja mesti memakai (kecuali semasa di zon selamat yang ditetapkan):

- Topi Keselamatan
- Baju senyawa dengan jalur reflektif keboleh lihatan tinggi atau tabard keboleh lihatan tinggi
- But/Kasut keselamatan
- Sarung tangan (kecuali jika tidak sesuai untuk tugasan)

Tambahan mesti digunakan jika perlu dan mungkin termasuk:

- Alat perlindungan pendengaran
- Abah-abah perlindungan dari jatuh
- Peralatan perlindungan pernafasan
- Jaket keselamatan (penggunaan luar pesusur termasuk di kawasan pelabuhan)
- Cermin mata keledar kebakaran atau lutsinar
- Sarung tangan dengan perlindungan tangan tertentu (luka/haba/bahan kimia)
- Tukup kimpalan
- Pelindung muka penuh

Semua alat PPE mesti bersih, dalam keadaan yang baik dan diselenggara menurut Spesifikasi Pengeluar. **DIMENSION BID (M) SDN BHD** juga memerlukan pemeriksaan visual harian jika ada sebarang kekurangan atau kecacatan pada PPE wajib yang disenaraikan di atas.

Semua alat PPE yang dibekalkan oleh syarikat akan mematuhi keperluan Kod Kesihatan Pekerjaan dan Keselamatan dan sebarang piawaian keselamatan yang berkenaan.

.....

Dato' Aziz Ayob
Ketua Pegawai Eksekutif
DIMENSION BID (M) SDN BHD
Tarikh: 17 Januari 2023

DIMENSION BID

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

DIMENSION BID (M) 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 – DIMENSION BID (M) 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 – DIMENSION BID (M) 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. **DIMENSION BID (M) 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.

DIMENSION BID

DRIVING POLICY

DIMENSION BID (M) 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 **DIMENSION BID (M) 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 habit at all times. All employees, contractors and visitors to **DIMENSION BID (M) 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 **DIMENSION BID (M) 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 <u>STRICTLY</u> prohibited.
   - 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
Chief Executive Officer
DIMENSION BID (M) SDN BHD
Date: 17th January 2023

DIMENSION BID

POLISI MEMANDU

DIMENSION BID (M) SDN BHD menyedari amcaman kepada kesihatan hasil dari kemalangan yang boleh dielakkan semasa memandu atau penggunaan kereta milik syarikat. Tujuan polisi ini adalah untuk mempromosi budaya memandu dengan selamat dalam kalangan organisasi, memastikan semua pekerja **DIMENSION BID (M) SDN BHD** yang memandu sebarang jenis kenderaan untuk berulang-alik ke tempat kerja masing-masing mesti sentiasa menunjukkan kemahiran memandu secara selamat dan cekap serta mempunyai tabiat keselamatan yang baik di jalan raya sepanjang masa. Semua pekerja, kontraktor dan pelawat di premis dan lokasi **DIMENSION BID (M) SDN BHD** diwajibkan mematuhi polisi ini sepanjang masa memandu.

Tatakelakuan: DIMENSION BID (M) SDN BHD menyatakan bahawa: "Semasa memandu kenderaan milik syarikat atau milik peribadi bagi tujuan bekerja, pekerja mesti mematuhi semua peraturan kebangsaan dan undang-undang trafik tempatan yang diamalkan". Tindakan berikut di dalam kenderaan milik syarikat adalah dianggap sebagai pelanggaran tatakelakuan yang serius dan boleh menyebabkan dibuang kerja:

- Memandu sambil meminum minuman beralkohol atau semasa di bawah pengaruh dadah atau mabuk.
- Memandu tanpa kelayakan atau dengan lesen yang tidak sah.
- Memandu secara cuai atau berbahaya sehingga boleh menyebabkan kematian atau kecederaan dan kegagalan untuk berhenti setelah pelanggaran.
- Menggunakan kenderaan syarikat untuk aktiviti yang diharamkan dan pemandu yang menunggu pendakwaan atau telah didakwa atas kesalahan trafik.

Tanggungjawab sebagai Pekerja: Setiap pekerja yang memandu kenderaan milik syarikat dan milik peribadi untuk berulang-alik setiap hari ke tempat kerja perlu:

- Pemandu mesti mempunyai lesen memandu yang sah untuk kelas kenderaan yang dipandu.
- Pemandu mesti berada dalam keadaan sihat dan berkemampuan fizikal untuk menjalankan tugasan memandu dengan baik
- Pemandu dan penumpang mesti memakai tali pinggang keledar sepanjang masa semasa kenderaan beroperasi.
- Pemandu mesti mematuhi had laju, tidak menggunakan telefon bimbit dan menghantar mesej pesanan ringkas semasa memandu.
- Memandu dalam keadaan mabuk atau di bawah pengaruh dadah atau bahan larangan lain adalah AMAT dilarang.
- Kenderaan peribadi yang digunakan untuk urusan kerja mesti berada dalam keadaan baik dan mempunyai perlindungan insurans yang sah.

Pelanggaran polisi: Polisi ini merangkumi semua pekerja yang menggunakan kenderaan milik **DIMENSION BID (M) SDN BHD** untuk urusan rasmi dan adalah menjadi tanggungjawab seorang pekerja untuk mematuhi dengan sepenuhnya, mana-mana pekerja yang didapati melanggar sebarang peruntukan di dalam polisi ini boleh dikenakan tindakan disiplin, termasuk dibuang kerja.

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Dato' Aziz Ayob
Ketua Pegawai Eksekutif
DIMENSION BID (M) SDN BHD
Tarikh: 17 Januari 2023

DIMENSION BID

POLISI HENTI KERJA

DIMENSION BID (M) SDN BHD komited dalam mencapai matlamat tiada ancaman kepada manusia dan memelihara persekitaran.

Skop

Polisi Henti Kerja ini dikenakan kepada semua pekerja **DIMENSION BID (M) SDN BHD** termasuk pihak pengurusan atasan dan Lembaga Pengarah.

Komitmen

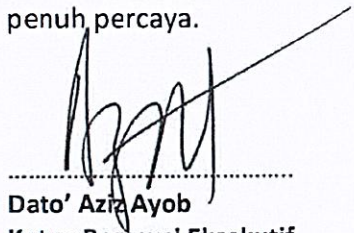
Polisi Kesihatan, Keselamatan, Sekuriti dan Alam Sekitar **DIMENSION BID (M) SDN BHD** ialah memastikan persekitaran bekerja yang selamat dan bebas ancaman daripada sebarang risiko atau terdedah kepada kemudaratan pekerja, kerosakan harta benda atau kesan buruk kepada alam sekitar.

DIMENSION BID (M) SDN BHD memberi galakan dan sokongan sepenuhnya kepada sebarang keputusan untuk HENTI KERJA jika jelas terbukti terdapat ancaman kepada kami, para pekerja, ahli sub-kontraktor, aset (sama ada milik syarikat atau lain-lain, termasuk perkakas dan bahan) atau kepada persekitaran tempat kami bekerja.

Jika sebarang peristiwa berlaku berpunca dari kelakuan berbahaya, tindakan, perbuatan atau pengabaian atau tiada tindakan oleh mana-mana pihak terbabit di dalam operasi kami, yang mungkin mendatangkan bahaya kepada mana-mana atau salah satu dari yang di atas, maka, kerja mesti dihentikan serta-merta.

Kerja yang dihentikan disebabkan oleh arahan Henti Kerja tidak boleh disambung semula sehingga tugasan tersebut dinilai semula secara lebih selamat dan tidak berbahaya. Jika terdapat sebarang keraguan, pekerja perlu segera berunding dengan penyelia untuk mencari jalan terbaik agar kerja boleh disambung dalam keadaan yang selamat.

DIMENSION BID (M) SDN BHD tidak akan menyalahkan atau menuding kesilapan kepada mana-mana pekerja yang menyebabkan Henti Kerja, walaupun setelah siasatan dilakukan, arahan Henti Kerja itu didapati tidak diperlukan. Arahan Henti Kerja perlu dilaksanakan dengan dasar penuh percaya.



Dato' Azia Ayob
Ketua Pegawai Eksekutif
DIMENSION BID (M) SDN BHD
Tarikh: 17 Januari 2023

DIMENSION BID

POLISI GANGGUAN DI TEMPAT KERJA

Objektif **DIMENSION BID (M) SDN BHD** adalah menyediakan persekitaran kerja yang memupuk perasaan saling hormat-menghormati dan jalinan hubungan bekerja tanpa sebarang gangguan. **DIMENSION BID (M) SDN BHD** melarang keras sebarang jenis gangguan kepada dan terhadap pekerja, kontraktor, pembekal atau pelanggan.

Gangguan yang dimaksudkan bertujuan atau memberi kesan terhadap:

- mewujudkan tempat kerja yang ditakuti, bemusuhan atau menghina;
- mengganggu secara tidak munasabah prestasi bekerja seseorang individu;
- memberi kesan buruk kepada peluang pekerjaan seseorang individu.

Sebarang gangguan, sama ada di tempat kerja atau di majlis anjuran **DIMENSION BID (M) SDN BHD**, tidak akan ditoleransi. Gangguan yang dimaksudkan merangkumi, tetapi tidak terbatas kepada, lisan atau kelakuan yang bersifat seksual, berbaur perkauman; atau bahan, kenyataan atau ulasan menghina atau bersifat perkauman.

Semua pekerja, termasuk para penyelia dan pengurus, boleh dikenakan tindakan disiplin termasuk dibuang kerja atas sebarang gangguan yang dilakukan.

.....

Dato' Aziz Ayob
Ketua Pegawai Eksekutif
DIMENSION BID (M) SDN BHD
Tarikh: 17 Januari 2023

DIMENSION BID

POLISI SALAH GUNA DADAH DAN ALKOHOL

Objektif

Objektif Polisi Salah Guna Dadah dan Alkohol adalah untuk memastikan persekitaran tempat kerja yang selamat, sihat dan produktif. Polisi ini merangkumi penggunaan dan salah guna (termasuk memiliki, mengedar atau menjual) minuman beralkohol atau dadah di tempat kerja dan salah guna (termasuk menjual, memiliki dan mengedar) dadah, termasuk dadah berbahaya. Ia memberi garis panduan untuk prosedur dan asas untuk sebarang tindakan disiplin apabila berlaku perlanggaran polisi. Walaupun polisi ini hanya menyebut alkohol dan dadah, ia juga merangkumi semua jenis salah guna bahan terlarang.

Peruntukan Am

DIMENSION BID (M) SDN BHD percaya bahawa pengunaan dan salah guna dadah dan alkohol akan menjejaskan keupayaan individu untuk melaksanakan tugas mereka dan memberi kesan buruk ke atas keselamatan, kecekapan dan produktiviti.

Polisi Alkohol – **DIMENSION BID (M) SDN BHD** amat melarang sebarang penggunaan, pemilikan, pengedaran atau penjualan minuman beralkohol di semua lokasi kerja **DIMENSION BID (M) SDN BHD**. Pekerja yang tidak mampu melaksanakan kerja secara selamat dan seperti sepatutnya disebabkan pengaruh alkohol boleh dikenakan tindakan disiplin, termasuk dibuang kerja. Para pekerja tidak dibenarkan untuk memandu atau mengendali kenderaan atau jentera syarikat semasa berada di bawah pengaruh alkohol.

Polisi Dadah – **DIMENSION BID (M) SDN BHD** amat melarang penggunaan dan memiliki, atau mengedar dadah. Semua pekerja tidak boleh berada di bawah pengaruh dadah atau membawa dadah tersebut ke dalam premis **DIMENSION BID (M) SDN BHD** atau tempat kerja. Pelanggaran polisi ini boleh dikenakan tindakan disiplin termasuk dibuang kerja

Bersandarkan kepada kedua-dua polisi ini, **DIMENSION BID (M) SDN BHD** akan memilih beberapa jawatan sebagai jawatan terpilih dari masa ke semasa. Mana-mana pekerja yang pernah atau didapati mempunyai masalah berkaitan alkohol atau dadah tidak akan dibenarkan untuk mengisi jawatan tersebut.

Pekerja kontraktor, pengangkutan umum dan vendor juga terangkum di dalam semua peruntukan polisi ini, kecuali yang berkaitan dengan pemulihan.

DIMENSION BID

HEALTH, SAFETY, SECURITY AND ENVIROMENTAL (HSSE) POLICY

DIMENSION BID (M) 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.

DIMENSION (M) 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. **DIMENSION BID (M) 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
Chief Executive Officer
DIMENSION BID (M) SDN BHD
Date: 17th January 2023

1) a) Dato Aziz Ayob
B) RAMBA ALIC COMING
~~C) What~~

2) company was Established in 1994

3) DIMENSION BID has developed into Full Fledge intervention service ~~and~~
For more than 25 years of experience.

4) Oil and Gas. Industries.

5) oil companies are involved in the actual production of oil and gas while service company provide the necessary the necessary expertise and equipment to facilitate that production.

6) Print copo of Dimension bid Blicy.

7) Our current President is Dato Aziz Ayob.

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 :

Name Operator	MOHD RAZUAN	Signature		Date	10/3/2024
Name FE/SCC	Abdul Hai	Signature		Date	11/3/2024

1. Petronas (PRIGAZI SIB, Shell, PTTEP, HIBISCUS, ETC.

2 - Exploration (Searching for oil and gas deposits)

- Development (installation of oil Rig equipment and drill well)

- Brownfield (a site that has been built Before)
  eg: Rig or platform that has been abandoned due to no crude oil

3. - Evaluation Service means the product or service offered on an evaluation. trial proof of value or proof concept ~~Basis~~ basis under this agreement. Use. means individual as authorised by you to use the evaluation service and include your employers, consultants and contractors.

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

5. in most oilfields, the pressure gradients are maintained by injecting another fluid (usually water but sometimes gas and termed 'water flooding' or 'gas flooding' respectively) into the reservoir through injection wells.

6. Source rock — Are rocks that contain sufficient organic material to clear hydrocarbon when subjected to heat and pressure overtime.

cap rock — are relatively impermable rock layer that seal the top of and other geologic formation.

Reservoir rock — is a providing condition to trap ~~an~~ oil in media. The reservoir rocks contain pores and paths and hydrocarbon to surface layer.

7. The formation of an oil reservoir requires an unlikely gathering of three particular conditions. First, a source rock rich in organic material (formed during diagenesis) must be buried to the appropriate depth to find a desireable window. second, a porous and permeable reservoir rock is required for it to accumulate in. And last, a cap rock (seal) or other mechanism must be present to prevent it from escaping to the surface.

~~Reservoir Rock~~

8. Because They Provide numerous rock Property ~~developme~~ measurement.
Ex - the resorvoir conditions of pressure, Temperature, and Fluid content.

9. Baker, Schlumberger, Vzma, Halliburton, Delium.

TOT

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	MOHD RAZUAN	Signature		Date	30/1/2024
Name FE/SCC	Abdul Heri	Signature		Date	11/2/2024

1) O-Rings is uset to prevent pressure from entering tools.
Also prevent the lubricators from leak to atmosphere.

3) There are numerous types of lubricants can be used to install oring, these are the lubricants found in the shop such as Lubriplate.
Silicone grease Copaslip is not suitable and may damage the o-ring.

4) The O-ring will contract and seal the joint when there is increased pressure.

5] The use of back-up O-Ring is to protect the main O-Ring from damage.

6) O-Ring selection for harsh environment is HNBR O-Ring.

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 :

Name Operator	M. Rusman	Signature		Date	13.12.2023
Name FE/SCC	Abdi	Signature		Date	25.12.2023

MONO CABLE HEAD

2) 1 = NUMBER OF CONDUCTOR
N = 12/18 (NUMBER OF INNER ARMOR / NUMBER OF OUTER ARMOR)
29 = NOMINAL CABLE DIAMETER
P = 300°F POLYPROPELENE (TYPE OF ELECTRICAL INSULATION)
T = 450°F (TYPE OF ELECTRICAL INSULATION)
Z = 500°
EHS = EXTRA HIGH STRENGH

3) MULTIMETER → USED TO CHECK CONTINUITY TEST
MEGGER METER → USED TO CHECK INSULATION TEST

4) Weak point of the cable is situated inside the fishing neck, it is used to break cable from toolstring incase the tool is stuck.

5) Depends on the job type, if it is a perforation job, the cable need to change every run.
If Logging, MIT, ETC, it needs at least 2-3 run.

6) cable boot retainer use to prevent pressure from shield to the contact sub connection and causing it to short.

7) 3 Types, 575, 577 and EHS.

8) Size For cable 9/32 is 1.73 inches, use to prevent damages to the cable.

9) SWL FOR DB CABLS ARE AS BELOW
1N 29 - EHS - 5100 lbs
1N 29 - 575 - 3900 lbs
1N 29 - 577 - 4050 lbs

10) Base on the manuals,
The resistance is 11.3 ohm/1kft, so for 17000 ft / 1000 ft = 17 times 11.3 ohm/1kft = 192.1 ohm

11) Cable is opened when the outer armor is loose and strain the inner armor.
- use MEGER METER BY 1000 V TO KNOW if the cable is short or not.
- to calculate the cable length, we use multimeter.
1N 29 - EHS - 2.8 ohm/kft
1N 29 - 575 - 11.2 ohm/1000 ft
1N 29 - 577 - 11.3 ohm/1000 ft.

12) Birds Nest, cable too short, loose inner and outer armor.

13) For first run
→ Stop every 1000 ft on way in and allow the cable time to rotate, on every stop pull up 100 ft, to allow the cable and tool to rotate again
→ stop every 2000 ft on way out to allow the cable to rotate
→ Reduce speed both in and out of the hole to maintain equal tension and allow rotation.

14) DEAD SHORT - is an electrical circuit that result in current flowing along an unintended path with no resistance.
HIGH RESISTANCE - Resistance measurements are normally taken to indicate the condition of a component or a circuit, The Higher The Resistance, The lower The current Flow.
Intermittent - Occurrence of momentary disconnection of cable.

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	MOHD [illegible]	Signature		Date	17.12.2023
Name FE/SCC	Abdul Hakim	Signature		Date	25.12.2023

Types of MONO CABLE HEAD

1) - Fishing Neck
- cable head body
- HPHT contact Sub
- Standard contact Sub
- rope socket cone
- Full cable head
- cable boot liner
- cable boot
- cable boot retainer
- Standard cable boot
- compression washer
- cable sleeve

2) cable head provide mechanical and electrical connection between wireline cable and toolstring.

3) High Pressure High Temperature.

4) HPHT is used on well with high Pressure such as gas well with H_2S, while Standard contact sub is used on a low pressure well such as oil well.

6) use megger meter to check the cable head insulation and make sure the reading is above 1000 V.

8) Do tension test before making cable head, Also do visual test on the cable armor, make sure the armor has not cross.

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:

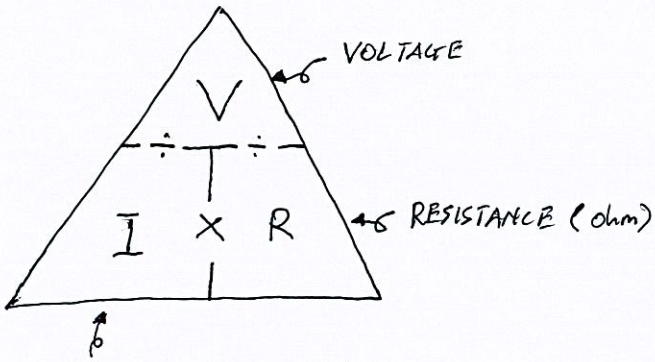
Comments By Crew Chief :

Name Operator	MOHD RAZMAN	Signature		Date	20.12.2023
Name FE/SCC	Hadi	Signature		Date	25.12.2023

2) VOM / multimeter – use to check resistance of a wire.
MEGGER METER – USE to check insulation of cable head, adapters, pre, etc.
BLASTING METER – use to check the resistance of explosive tools.
RADIOACTIVE SURVEY METER – To check radio active leakage in radioactive tools.

4) Electric current flows in two ways as an Alternating Current (AC) and Direct Current (DC).
The main difference between AC and DC lies in the direction in which the electrons flow.
In DC, the electrons flow steadily in a single direction, while electrons keep switching direction, going forward and backwards in AC.

6) The relationship between current, voltage and resistance is expressed by Ohm Law. This states that the current flowing in a circuit is directly proportional to the applied voltage and inversely proportional to the resistance of a circuit.



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 :

Name Operator	M. Ramun	Signature	[signature]	Date	10/3/2024
Name FE/SCC	Arvind Lcdo Co	Signature	[signature]	Date	12/3/2024

1) The purpose of Smarthead II is to provide accurate Depth and tension, measurement.
AMJ Speed.

2) Print manuals.

3) to measure depth tension, drift Tension and Speed.

4) measuring head rig-up

- To rig up the smarthead for measuring head, you must complete two procedure,
  a) ensure Smart head is properly mounted for operations and released any transport lock.
  b) set the wireline winch in operations mode with the systems energized. and the control test.
  c) using the winch control, lower the level wind mechanism and position the smarthead center of the winch drum.
  d) Disable all the mechanical movement by operating the winch unit shutdown or emergency.

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

7) 70 ft

8) Depth measurement wheel

9) ~~Roller guide~~ horizontal guide roller use for guiding the wire from mast Sheave wheel to smarthead. the guide roller need to change if its jammed or unable to turn.

10) The Smarthead II measures depth, Speed and tension while AMS1c only measures depth and tension.

11) The principle of encoder

- Encoder measures Speed using ~~Sensor~~ light Sensor
- Light will pass through encoder pulley hole to encoder optic Sensor.

The principle of loadcell

- The higher the cable push the pulley upwards, the higher the reading on tension gauge.

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 : Good

Name Operator	MOHD RAZUAN	Signature		Date	14/12/2023
Name FE/SCC	Fabian S.	Signature		Date	22/1/24

1) The tools must be put inside the pelican case ~~to~~ ~~a~~ to safely move around the base, this is ~~a must~~ to avoid the tools exposed to water which may cause Electrical shorts.

2) ALSO The same, put inside Pelican case ~~whenever~~ to safely move around.
ALSO keep track where you ~~put~~ Place the tools. make sure it dosent fall to lower deck.

3) the potential hazard are, radiation hazard, ~~because~~ heavy weight tools such as Cesium tools which need buddy system.

4) Tagline is important to safely control the tools from a distance.

5) the potential Hazards are,
- ~~Drop~~ Drop object - make sure the tools secure properly with tag line
- Suspended load - ~~Make Sure~~ ~~no other~~ to Put the barrier tape and Signage around work area.
- Equipment Damage. - carefully handle the load with tagline from a distance.
- Pinch Point - Use Impact resistance Glove to reduce injury.

6) to avoid water exposed to the connection and to secure the thread.

7) -Always ~~yes~~ use the right electronic repair kit and maintenance tools.
-Always return covers after removing them to ~~avoid~~ reduce the risk of electrical shock.

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

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 : Good job

Name Operator	MOHD RAZWAN	Signature		Date	14/12/2023
Name FE/SCC	Fabian S.	Signature		Date	20/2/24

1) Weight Bar, PLT, MIT

2) MPLT (Multi Production Logging Tools)

3) Tubing integrity evaluation Service (TMIT)

4) MPLT – Pressure, Temperature, Flow volume, Fluid identification.

5) these data can be interpreted to find every zone contributions fluid.

6) 400 and 600

7) when condition is bad / weather is bad, it can make the tools to short.

8) Radiation from FDR where we use Americium -241.
- wear suitable PPE
- make sure radioactive materials is always locked in the lead box.

9) when lifting need to proper.

10) During run in hole operation, the pressure inside the well can go into tools which can make the pressure trapped between tools and O-ring.
- tools hard to disconnect due to trapped pressure.

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 :

Name Operator	MOHD RAZMAN	Signature		Date	23/12/2024
Name FE/SCC	EE JEZZIE	Signature		Date	12/12/2024

1) ~~MAST SYSTEM — ENTENSTHER MAST~~

- LOGGING SYSTEM — WINCH UNIT; LOGGING CABIN, POWER PACK. (SLIM SPLIT C)
- ~~AUXILIARY EQUIPMENT — AIR COMPRESSOR / GENSET.~~
- ~~PRESSURE CONTROL EQUIPMENT~~
- ~~STORAGE EQUIPMENT — STORAGE BOX, DOGHOUSE, TOOL BOX, OPEN TOP BASKET, PRIMARY AND SECONDARY EXPLOSIVE BOX~~

ZONE 1 → Is an area in which explosive atmosphere is likely to occur occassionally in natural operation, it may exist because of repair, maintenance operation or leakage.

ZONE 2 → Is an area in ~~wire~~ which an explosive atmosphere is not likely to occur in normal operation but, if it does occur, will persist for a short period only, these area only become hazardous in case of an ~~acc~~ accident or some unusual operating ~~cond~~ condition.

SAFE AREA → A Place where ~~ex~~ flamable ~~gas or liquid~~ or non flamable liquid and gas will likely ~~occ~~ occur.

2) PRE - JOB check — is safety check ~~carried~~ out on equipment before using the item. ~~usually~~ Usually this is required for base, equipment and machinery before start up or daily use pre inspection is a routine check with the help of inspection checklist carried out by an operator.

Post Job — set up equipment, checklist and maintenance.

3) - check the engine ~~oil~~ oil and coolant level of air compressor and make sure its in good condition, then power up the air compressor and check the pressure to 120 psi to supply the air to Power pack.
- check the engine oil and coolant and hydraulic fluids, make sure all in good condition.
- check all the ~~h~~ hoses, make sure no leak and equiped with whipcheck
- power up the power pack
- Set the RPM to 1800
- Turn on the generator, make sure the light is on.
- Pressurize ~~cabin~~ the logging cabin.
- Switch on electrical parts.

4) - Electrical short, if the grounding cable not properly placed.
- uncontroled pressure release
- PINCH POINT
- slip trip hazard.

5) The must be located at the front of the winch control Unit, to operate,
   a) ~~on~~ turn on the smart monitor
   b) test the winch by run in hole and out of hole
   c) test breaking system
   d) test spooling control up / down.

7) to Fill the fuel, first ~~Fill the~~ need secondary containment, use M.R. Funnel when Filling fuel tank. ~~the fuel should~~ the refuel should be done for every 8 hours.

8) To prevent the explosive gas / hazardous gas from entering the cabin, the unit need to pressurized ccs long as the ~~engine and~~ power pack still on.

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 : Good knowledge.

Name Operator	MOHD RAZUAN	Signature		Date	14/12/2023
Name FE/SCC	Fabian S.	Signature		Date	17/1/24

1) a → MAIN PRESSURE – This gauge shows the hydraulic pressure generated by the main hydraulic Pump.

b → CONTROL PRESSURE – This Gauge shows the hydraulic control pressure, which is used as a regulator for controling the hydraulic system.

c → AIR PRESSURE GAUGE – This gauge shows pressure in the System.

d → Tachometer GAUGE – This gauge shows the rpm of the engine.

e → Throttle – This dial control the engine Speed.

F → EMERGENCY STOP BUTTON – This button used in an event of an emergency. Once pisled it will automatically shut down the unit and the engine.

g → HORN – push this button to sound the horn.

h → DUAL CONTROL LEVER, ON the left – control the speed and torque obtained from the hydraulic motor.

ON THE RIGHT – control the direction of the drum.

i → AUTO SPOOLING ON/OFF – OFF → manual spooling with joystick.

ON → AUTOMATIC SPOOLING.

j → LEVEL WIND UP/DOWN – UP/DOWN MOTION of levelwind arm is by paired pneumatic actuators.

k → Spooling control – manualy control the Spooling of wireline onto drum.

left/right motion of levelwind carriage is by hydraulic motor.

l → BRAKE ON/OFF – This switch operates the braking system.

m → winch safety – Rotary controls that regulate the maximum wireline tension by controlling the maximum torque output of the hydraulic winch motor when spooling outhole under manual control.

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

-Tension increase while running in hole due to the increase lenght of the cable. the longer the cable the heavier the tension.

3) The reason for using the 2-chart is incase the smartmonitor Display Suddenly Shutdown. we still heave the 2-chart to identify plus minus depth of out toolstring.

4) Set the tension limit so that the tension will not exceed 75% of the cable breaking strength. the dangers involve when re-spooling is when the tension increase sharply because it will cause the cable to overpull or breake the weakpoint.

6) once notice a sharp increase or decrease in tension, inform engineer immidiately and 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.
2. Describe why a minimum RPM is required for running the unit and explain why?
3. How many running hours the power pack should be PPM and list the all part to be change/service?
4. Describe proper hand signals to start/run up the power pack.
5. What is the main purpose of the radiator in the diesel driven power pack?
6. What is the main purpose of the water pump in the diesel driven power pack?
7. What is the main purpose of the fuel/water separator pump in the diesel driven power pack?
8. What type of power pack being using in DB'S E-line 1st package and what type of engine?
9. How many sources power pack can supply?
10. The generator power pack can generate how many volts?

Practical

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

Comments By Field Engineer:

Comments By Crew Chief :

Name Operator	MOHD RAZUAN	Signature		Date	10/3/2024
Name FE/SCC	[illegible]	Signature		Date	12/3/2024

1) → RPM (ROTATING PER MINUTE) GAUGE
   → OIL PRESSURE GAUGE
   → AIR PRESSURE GAUGE
   → EMERGENCY STOP BUTTON
   → EXAUST TEMPERATURE GAUGE
   → START PRESSURE GAUGE
   → HYDRAULIC OIL PRESSURE GAUGE
   → GENERATOR START BUTTON
   → GENERATOR STOP BUTTON
   → GENERATOR LIGHTING
   → ENGINE START BUTTON
   → ENGINE STOP BUTTON

2) TO Ensure it can handle the load of the system.

3) The Powerpack need to perform for every 200 hours, the parts that need to change as below,
   → ENGINE OIL
   → ENGINE OIL FILTER
   → FUEL FILTER
   → FUEL WATER SAPARATOR
   → HYDRAULIC FILTER
   → coolant
   → HYDRAULIC OIL

4) Start the engine – move arm in a circle at waist level as though you were cranking an engine

5) Radiator main role is to diperse mix of antifreeze and water through fins, which releuse some of the engine's heat while taking in cool air before continiuing to pass the rest of the engine. Radiators used for cooling internal combustion engine.

6) water pump used to transfer water from radiator to engine and back.

7) The purpose is to ensure only clean fuel reaches the engine.

8) IVECO POWERPACK

9) → Hydraulic Supply.
   → Air Supply.
   → Electrict 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 : Good knowledge.

Name Operator	MOHD RAZWAN	Signature		Date	14/12/2023
Name FE/SCC	Fabian S.	Signature	S.	Date	21/2/24

1) a) - RPM METER → measures how many times the engine crankshaft makes one full rotation in one minute

b) - ENGINE OIL PRESSURE → Indicator of the general health of the engine.

c) - COOLANT TEMPERATURE → measures the temperature of the engine coolant.

d) - WORKING ~~AIR~~ AIR PRESSURE → Provide accurate pressure readings to ensure system can function efficiently.

e) - EXAUST TEMPERATURE → measures the temperature of the exaust gases.

2) to make sure that the engine is not idling at a speed that will cause a torsional vibration in the crank shaft. if the engine is allowed to idle too low of an RPM, you can fatigue and eventually breaking the crankshaft.

3) Base on the current Practice, we used to ~~charged PPM~~ do PPM at 200 hrs.

Part that need to charge ~~as below~~ / service as below,

a) water coolant

b) check belting condition

c) check ESD

d) check general condition

e) change ~~oil filter~~ fuel filter

f) change engine oil filter

g) change ~~AIR WATER~~ ~~Separator~~ fuel water separator.

4) PMT means certificate of fitness (CF), it is important to ensure the equipment safety, reliability and operation.

5) - The purpose of the radiator is to eliminate heat from the ~~engine~~ engine. used to transfer thermal energy from one medium to another for the purpose of cooling and heating.

- There are 2 radiators installed on the Diesel driven Air compressor.

6) - The purpose of water pump is to circulate coolant inside the engine and radiator.

7) - ensuring only a flow of a clean fuel reaches to the engine.

8) - ADEX 20MEX 2 T3 200°c

9) - 190 CFM.

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 : Good knowledge about operate and service Genator/Genset.

Name Operator	MOHD IRAZWAN	Signature	~~Dooo~~	Date	20/1/2024
Name FE/SCC	Fabian Sungkop	Signature		Date	4/3/24

1) – START BUTTON → Used to initiate the start sequence of the engine.
– STOP BUTTON → Used to stop the engine.
– Fault Reset Button → Used to acknowledge alarm and deactivate horn output.
– HORN RESET BUTTON → Used to Deactivate horn output.
– MODE LEFT BUTTON → Used to change the mode
– 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 → Used to switch over display pages to see display screen and pages structure.
– UP BUTTON → Used to move up or increase value.
– DOWN BUTTON → Used to move down or decrease value.
– ENTER BUTTON → Used to finishing a set point or moving right in the history page.
– SCREEN → A MONITOR to display information.

2) Required to stabilized the electrical supply.

3) 200 hours, parts that need to change or service as below,
- Engine oil Filter
- Fuel water Separator
- check Belting condition
- Fuel filter
- Air Filter.

4) a) CANT START THE GENSET DUE TO LOW BATTERY / WEAK.
b) ENGINE STOP DUE TO OVERHEAT BECAUSE OF LOW QUANTITY OF COOLANT / LEAKS
c) ~~NO POWER OUTPUT DUE TO MALFUNCTION OF~~
NO POWER OUTPUT DUE TO CORRODED WIRE DUE TO WATER ACCUMULATE ON THE OUTSIDE OF UNIT.

5) USED TO PREVENT ENGINE FROM OVERHEAT.

6) USED TO CIRCULATE COOLANT INSIDE THE ENGINE AND RADIATOR

7) USED TO SAPARATE WATER AND ENSURE ONLY A CLEAN FUEL REACHES TO THE ENGINE.

8) ADEX 3G ZONE 2 T3 200°C

9) ELECTRICAL SUPPLY 3 PHASE, 50 Hz 45 KVA

10) THE PHASE TO NEUTRAL VOLTAGE IS $\sqrt{3}$, SO A 415 V PHASE SYSTEMS HAS A PHASE TO NEUTRAL VOLTAGE OF 415 / 53 = 240 V

11) TO ENSURE THAT THE GENERATOR CAN HANDLE A FULL LOAD AND IDENTIFIES POTENTIAL PROBLEMS DURING USE.

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 : Known how to Set up Mast and Operate , Good.

Name Operator	MOHD IZZWAN	Signature		Date	20/2/2024
Name FE/SCC	Fabian S.	Signature		Date	27/3/24

1) → SKYFOLD MAST body made of alluminium.

2) → To determine the brake Stronght of the winch.

3) → Telescopic mast can be extend for up to 27 Ft (8.23m) to 70 Ft (21.3m) long

4) → Telescopic mast can withstand the wind speed up to 60 mp/h

5) → To Switch mode between Utility winch and man riding mode.

6) The maximum load for man ride is up to 150 kg.

7) Maximum load for horse head section is 200 kg. / max combination load 20000 lbs (9.07 T)

8) Guide wire.

9) → 2000 kg.

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 :

Name Operator	MOHD RAZMAN	Signature		Date	10/3/2024
Name FE/SCC	SEZLE	Signature		Date	13/3/2024

1) a) Grease Injection Control Head
   → creates a seal around moving wireline, allowing intervention access to wells under pressure.

b) BALL CHECK VALVE
   → A safety device for installation control head. it will seal off the well in the event of the cable being broken / pulled ~~off~~ out of the grease injection head.

c) Tool Trap.
   → Hydraulic tool trap with external indicator protects the wellbore from inadvertent tools pull-off.

d) WIRELINE VALVE
   → The elmar compact wireline valve is a mono-bloch construction and is designed for use in single, dual, ~~triple~~ triple and quad configurations. multi-ram seals allow the use of the same seal configuration for electrict and slickline.

e) PUMP IN SUB
   → designed to allow introduction of high volumes of fluid into the well vice hammer lug type connection

f) TOOL CATCHER
   → USED to catch and hold the tools safety both during pressure testing and in the event of the cable being inadvertently pulled off at the surface thus preventing a ~~possible~~ possible Finish job.

g) LUBRICATOR SECTION
   → THE ELMAR lubricator used to insert and retrieve a toolstring on a well under pressure.

h) Quick Test Sub
   → designed to save substantial rig time ~~when~~ ~~pressure~~ while pressure testing the wireline pressure control equipment string in multiple run operation.

i) Wellhead Adaptor
   → provides a means of connecting in a safe manner the wireline PCE string to the wellhead.

2) Ball check valve located at the top of tool catcher.

3) OTIS, BOWEN, SOLAR ALERT.

4) Birdnest incident happen when one of the armor loose and broken snap inside the PCE

5) HGT - stuffing box (while cable stop)

6) Blow Up Preventer - to prevent pressure from well to blown out to surface.

7) To equalise pressure from ~~Blo~~ BOP.

8) To measure there is no leak or posible pressure from well to atmosphere during operation.