

SLICKLINE ASSISTANT WORKBOOK

IMPORTANT NOTE:

1. Your point of reference to complete this workbook may be obtained from the following
 - Training Manual and any other training materials provided together with this workbook
 - Your Trainer, Assessor (Slickline Operator), Verifier (FSM) or senior colleagues
 - SOP / Quality Procedures & Processors
2. The completion of this Workbook is a joint effort and responsibility between you and your assessor therefore you have the obligation to request from your assessor to be assessed upon your completion of each topic
3. The completion of this Workbook is part of the MANDATORY requirements which you must fulfill to qualify for a promotion
4. Your training program is mostly self-driven, including this Workbook. It requires individual initiatives, dedication and commitment to complete the process.

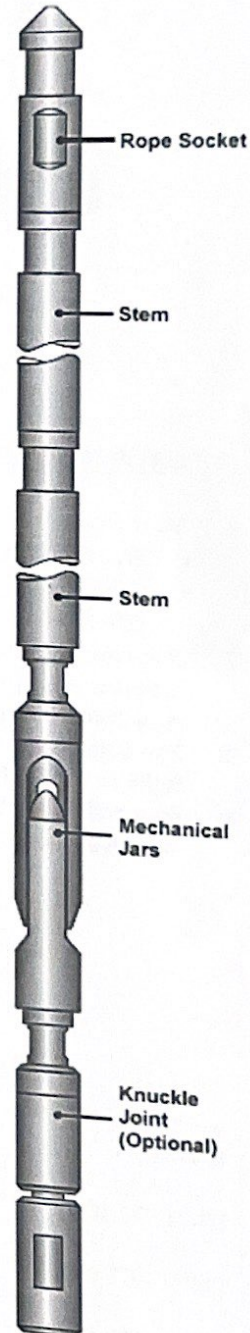
NAME	AHMAD SYAHIR B M. LAHARUATI
DATE OF JOIN	9 maret 2023
CONTACT NO.	
RECEIVED DATE	
DATE COMPLETED	



C. DOWNHOLE EQUIPMENT

1. List out all basic running and pulling tools

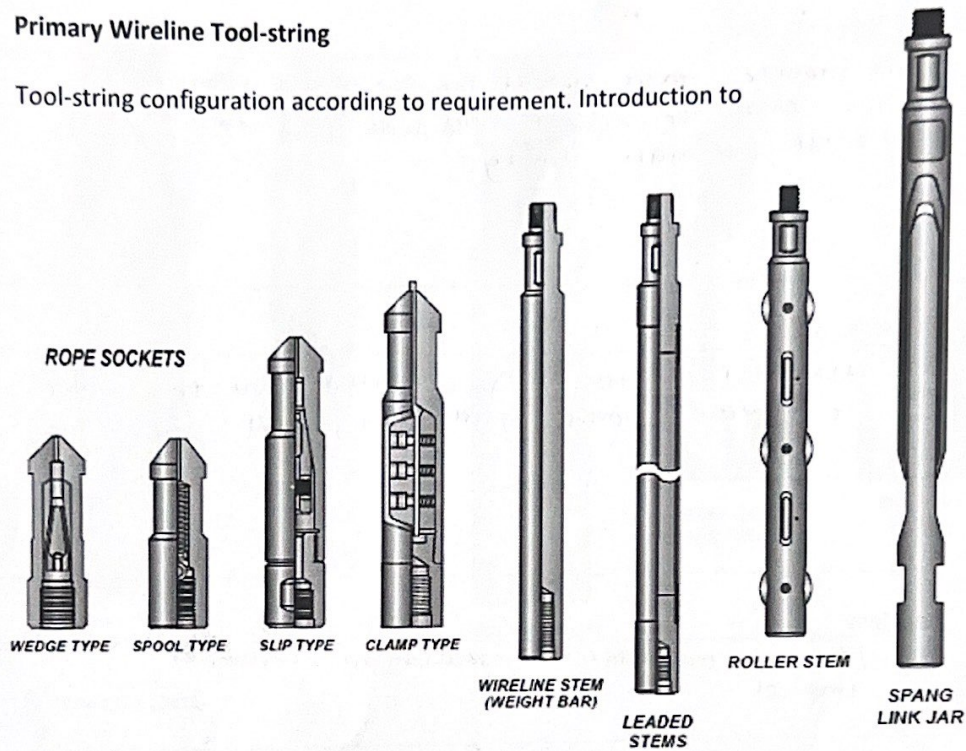
No.	Items
1	GRS pulling / Running tool
2	GR pulling tool
3	SB pulling / Running tool
4	SS pulling tool
5	RB pulling tool
6	RS pulling tool
7	JUS pulling tool
8	JUC pulling tool
9	JDS pulling tool
10	JDC pulling tool
11	X-Line running tool
12	R-Line running tool
13	JX-1 running tool
14	GA running tool
15	QXD running tool
16	QXT running tool
17	SSJ pulling tool
18	RJ pulling tool
19	PCE pulling tool
20	heavy duty pulling tool





Primary Wireline Tool-string

Tool-string configuration according to requirement. Introduction to



a) rope sockets

- to provide work with the wire and toolstring

b) stem lead

- To add weight toolstring for overcome well pressure and friction to provide impact downhole



c) tungsten stem

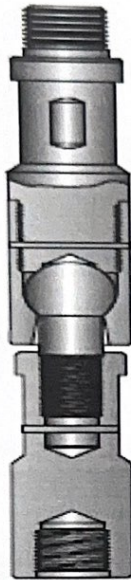
To provide greater weight for the same diameter and length the inside is filled with lead to provide maximum density.

d) roller stem

additional for toolstrings deviated well to reduce the friction losses against tubing well

e) jars

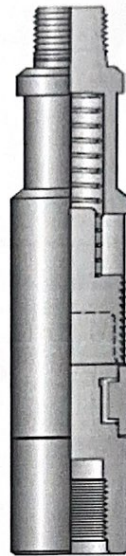
To deliver effective jars up and down impact



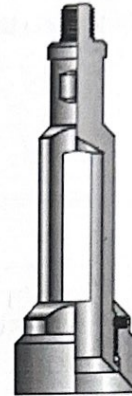
KNUCKLE JOINT



WIRELINE SWIVEL JOINT



QUICK LOCK COUPLING



TUBING GAUGE CUTTER RING SET



BLIND BOX

f) knuckle joints

- To add flexibility to the toolstring and used in deviated well
- Knuckle joint permit 15° of sideways movement

g) swivel joints

- To minimize the effect of twisting wire caused by downhole tools being run
- To prevent twisting of line in following toolstring

h) quick-lock coupling

- A faster method connection toolstring components
- save time when make up toolstring

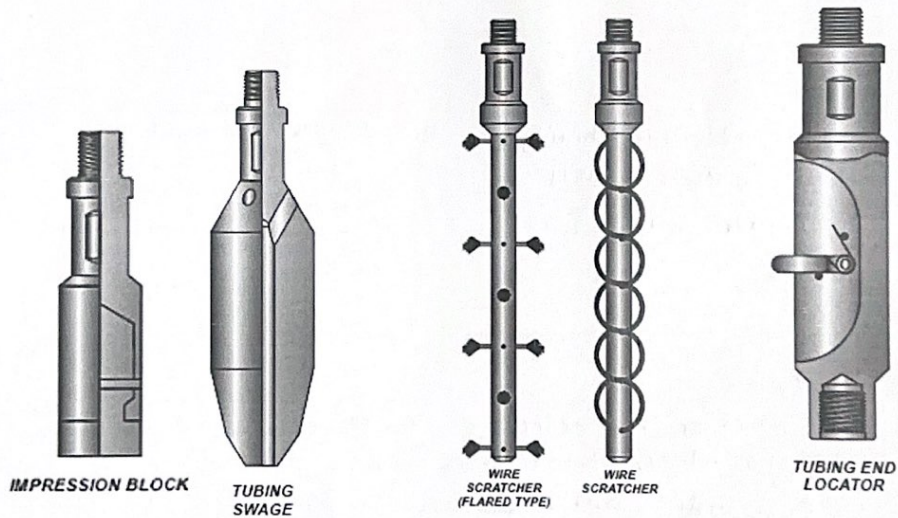


i) gauge cutter

- Tubing clearance
- Check tubing ID

j) Blind Box

- when heavy down hole jamming is required to diagnose a fish or pull something in down hole



k) lead impression box

- To obtain a picture of downhole block in well



l) swage

- used to restore slight collapse in tubing string

m) wire scratcher

- To clean ID tubing, nipple and profile

n) tubing end locator

- locate the end of production tubing
- allowing the total depth to be measured

o) wire recover tool

- To locate and wall up the damaged end of wire



Fill in below Table

<p>A. Size of wire that use in DB</p> <p>1. 0.108" zeron / super</p> <hr/> <p>2. 0.125" zeron / super</p> <hr/> <p>3. 0.140" zeron</p> <hr/>	<p>B. Breaking point of each wire</p> <p>1. 2500 lbs</p> <hr/> <p>2. 3300 lbs</p> <hr/> <p>3. 4050 lbs</p> <hr/>
<p>C. Type of wire used in DB</p> <p>1. EIPS</p> <hr/> <p>2. zeron</p> <hr/> <p>3. Braided line</p> <hr/>	<p>D. How to test if wire is good or not</p> <p>1. Twist test</p> <hr/> <p>2. Strength test</p> <hr/> <p>3. wrap test</p> <hr/>
<p>E. Why do we need to check the tools before running in hole (RIH)?</p> <ul style="list-style-type: none">- to ensure tools in good condition and function- to prevent from tools break-off inside the well	
<p>F. What do we need to do if the tool is damage or lost in hole?</p> <ul style="list-style-type: none">- report to supervisor on board- get advice from town- fishing	



G. What do we need to do if equipment failed to work?

- Try to troubleshoot the problem
- get advise from town
- give problem report to town