



SLICKLINE ASSISTANT WORKBOOK

NAME	Hamizan Bin Awang
DATE OF JOIN	18/07/2022
CONTACT NO.	013 903 7625
RECEIVED DATE	8/8/2022
DATE COMPLETED	

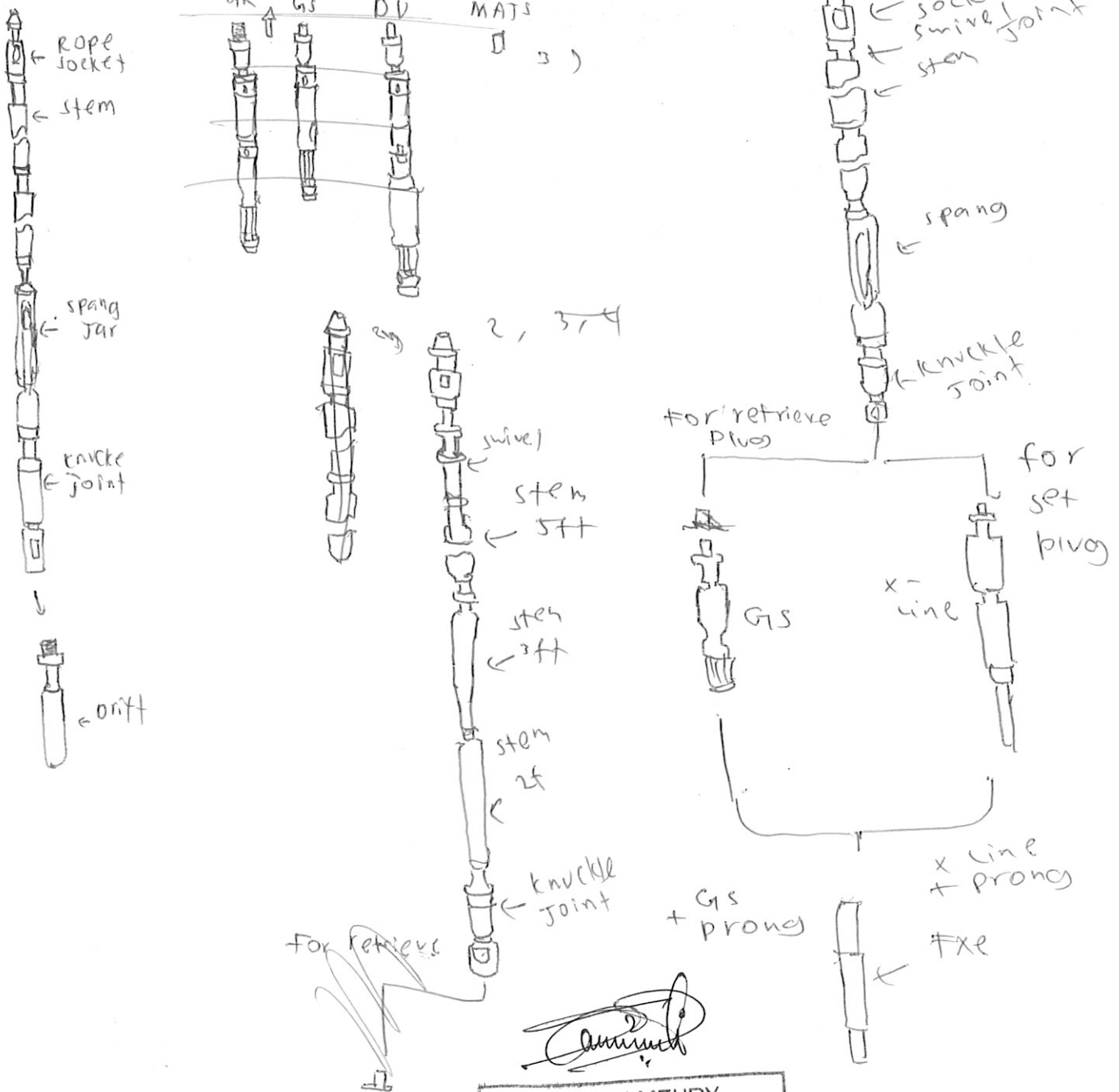

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Please draw/sketch the toolstring configuration for:

- 1) Drift run/tubing clearance check
- 2) Sinker bar run
- 3) Set and retrieve plug
- 4) Set and retrieve insert valve

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C. DOWNHOLE EQUIPMENT

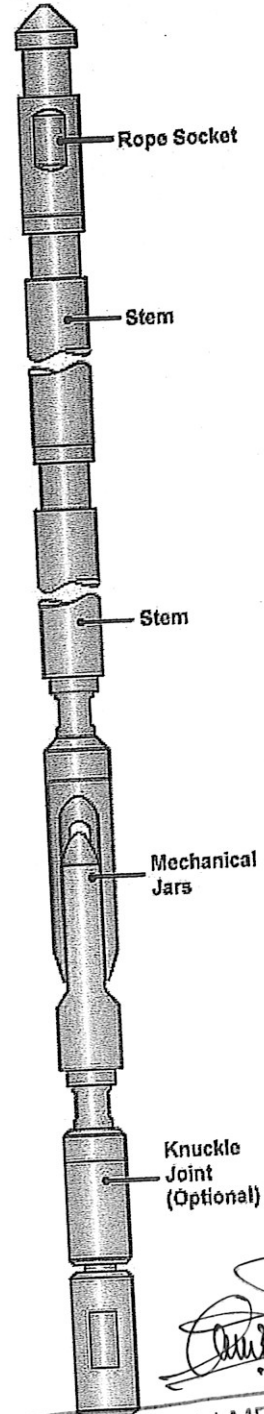
Running / Pulling Tool

1. List out all basic running and pulling tools

Running
Tool

Pulling
Tools

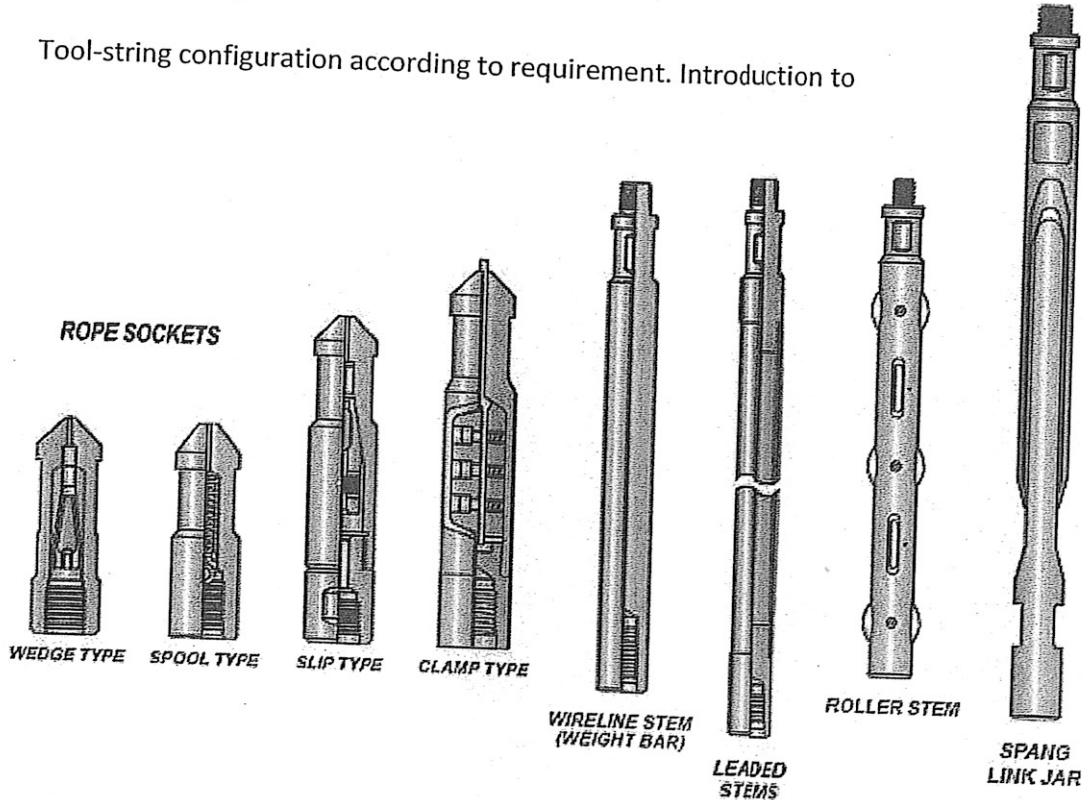
No.	Items
1	X-line
2	Jk1
3	GA2
4	JB
5	Jk
6	
7	RB
8	RS
9	CB
10	GR
11	GS
12	JVC
13	JDC
14	SS
15	
16	
17	
18	
19	
20	



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Basic Tool-string

Tool-string configuration according to requirement. Introduction to



a) rope sockets
- Provides for connecting the wireline tool string

b) stem lead
- use when additional weight per foot an given o.d is required.

c) tungsten stem
- Tungsten stem provide extra weight and heaviest stem.
- Assist operator to overcome the effect of friction, fluids viscosity and pressure within well bore.

d) roller stem
- to reduce friction against tubing ID caused by the tool string sliding on tubing deviated well.

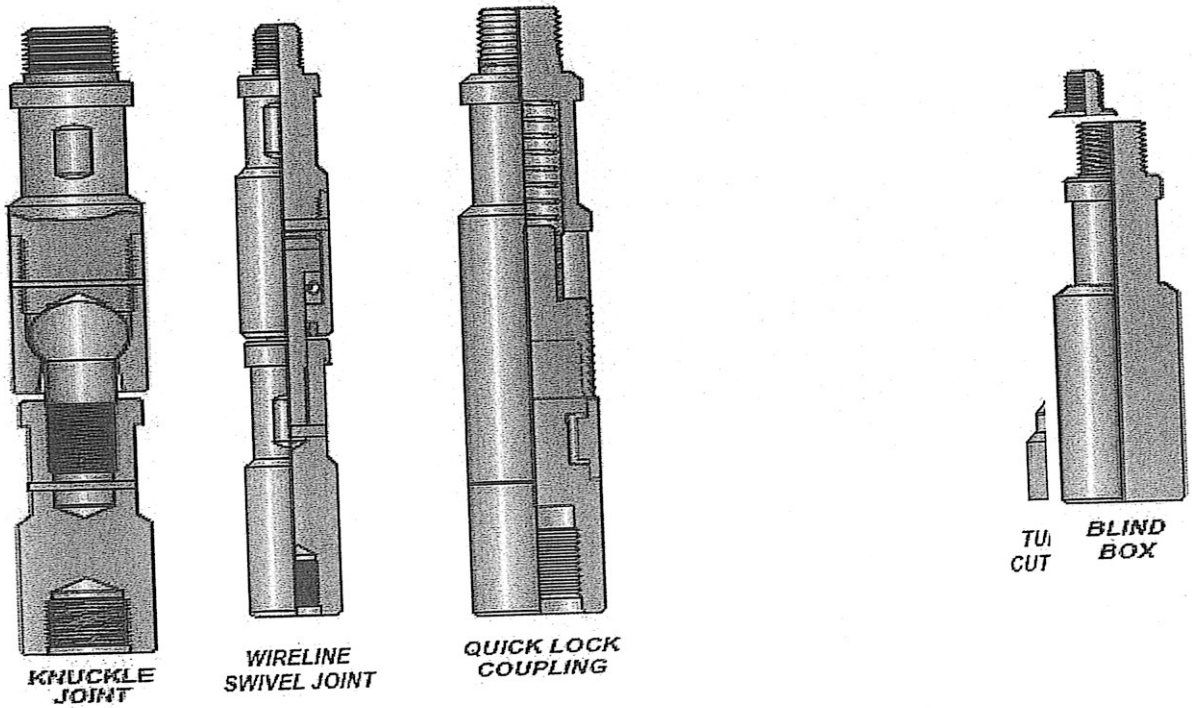
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e) jars

to deliver effective jarring down or up impact.



f) knuckle joints,

designed for flexibility, reduced friction when entering deviated tubing string / high angle hole.

g) swivel joints,

to minimize Twisting of the wire.

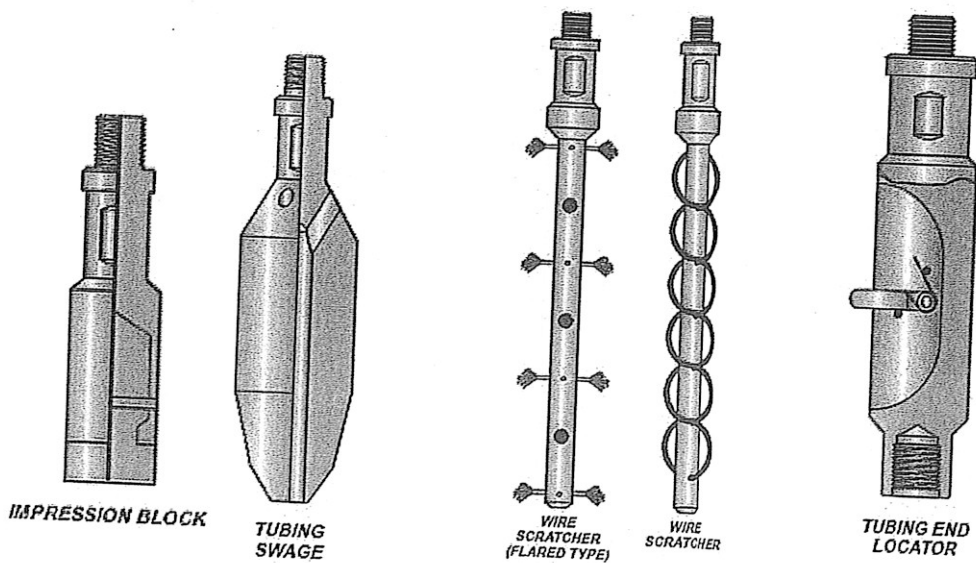
h) quick-lock coupling

safe and strong method of tool coupling

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- i) gauge cutter,
 - used to gauge the ID of tubing in which it is
 in act as tubing clearance.
 - Remove paraffin/asphaltene on inner surface of tubing
- j) Blind Box
 - used in fishing operation when heavy downward jarring
 is required.



- k) lead impression box
 - use in fishing operation
 - act as bottom hole camera
 - To obtain the impression of unknown tool within
 tubing string.
- l) swage
 - used to remove large obstacles.
 - restore tight collapse/
- m) wire scratcher
 - To remove paraffin in inner surface of tubing.

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n) tubing end locator
To locate end of tubing and measure depth of tubing end at completion.

o) wire recover tool
To fish/retrieve the wire.

Wireline Wire
Fill up below Table

<p>A. Size of Wire used by DB</p> <p>1. 0.108"</p> <p>2. 0.125"</p> <p>3. 0.140"</p>	<p>B. Breaking point of each wire</p> <p>1. 2500 lbs</p> <p>2. 3300 lbs</p> <p>3. 4500 lbs</p>
<p>C. Type of wire used by DB</p> <p>1. Zapp</p> <p>2. Zeron</p> <p>3.</p>	<p>D. How to test if wire is good or not</p> <p>1. using wire tester</p> <p>2. wire pull test</p> <p>3.</p>

Inspection / Maintenance of Tools

A. Why do we need to check on the tools before running in hole (RIH)?

To ensure tool string is fully functioning.

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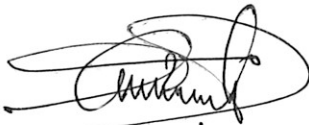
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B. What do we need to do if the tool is damaged or lost in hole?

- stop work and report to town.
- consult with wireline supervisor.
- prepare fishing plan.

B. What do we need to do if equipment fail to work?

- Report to town immediately
- Minor trouble shoot.
- Major - Request the mechanic/technician.
 - Request for new equipment. if equipment fail to function after repair)



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