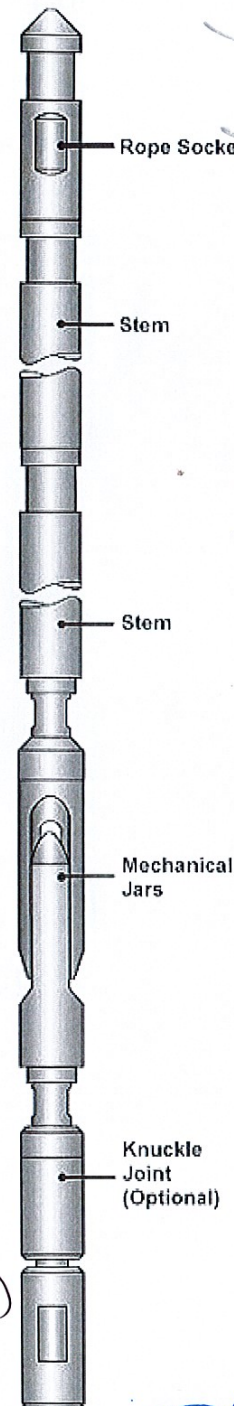




C. DOWNHOLE EQUIPMENT

1. List out all basic running and pulling tools

No.	Items
1	W - w Slip lock
2	X - x f Xn lock
3	R - R f Rn lock
4	D - D collar lock
5	SB - Rope socket f p prong
6	SSJ - X - fast tool
7	A - A slip lock
8	X - Line running
9	PCB Heavy Duty PT.
10	GA-2 Running tool
11	RB - Rope socket f p prong
12	RS - Toolstring f tools
13	SS - Toolstring f tools
14	SB - Rope socket f p prong
15	SSJ - X - fast tools
16	GR - X, Xn, R, Rn lock (Optional)
17	GRS - X, Xn, R, Rn lock (Optional)
18	GRD - D collar lock
19	JDC - gas lift valve (venom size)
20	JUC



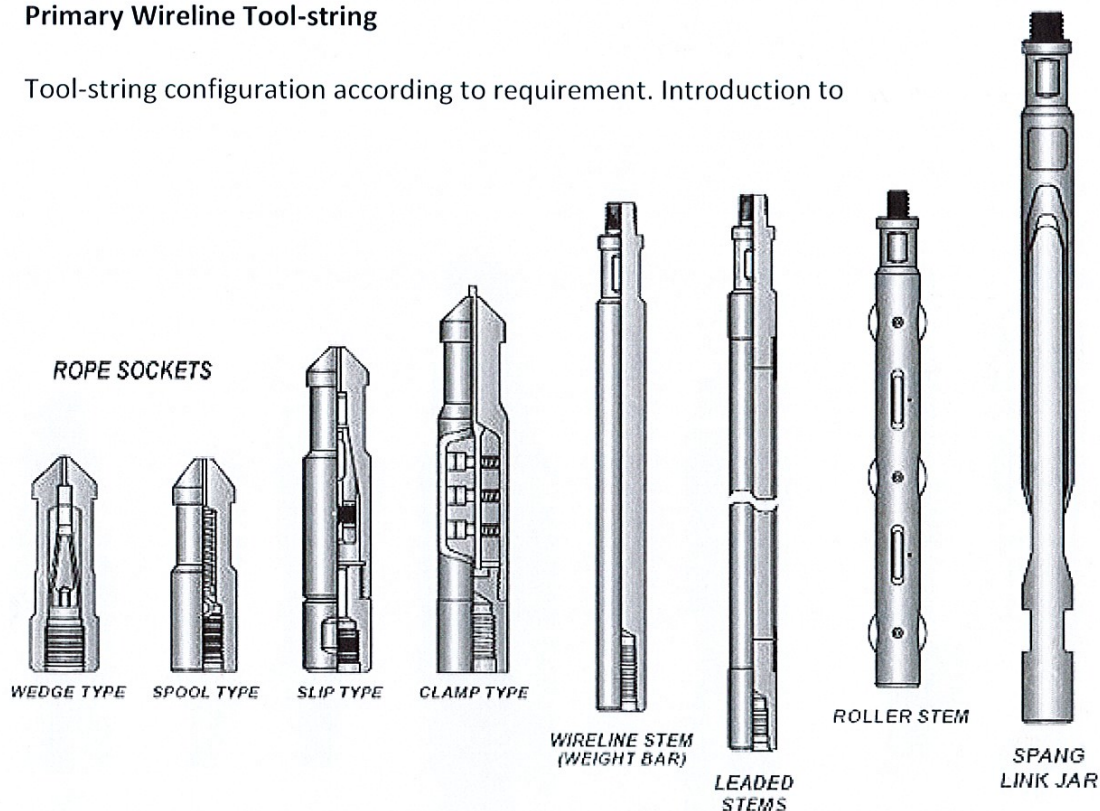
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Primary Wireline Tool-string

Tool-string configuration according to requirement. Introduction to



a) rope sockets

** provided a means for connecting the wireline to tool string.*

b) stem lead

** lead stem is used instead of conventional stem when additional weight per foot on given B-D is required.*

c) tungsten stem

** provides extra weight and heaviest.
* assist operator to overcome the effects of friction, fluid, viscosity and pressure within well bore.*

d) roller stem

** To reduce against tubing ID caused by the tool string sliding on tubing wall in high deviated well.*

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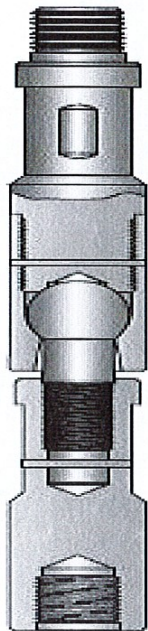
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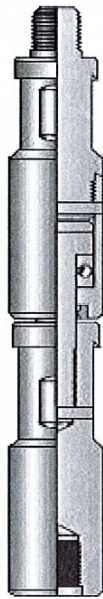


e) jars

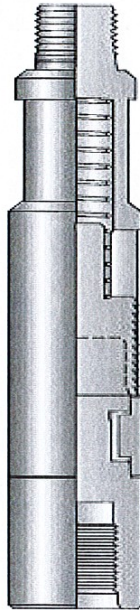
* To deliver effective jarring down on up impacts.



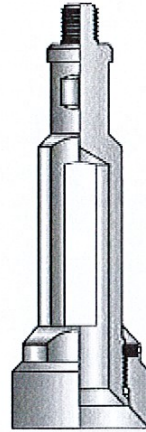
KNUCKLE JOINT



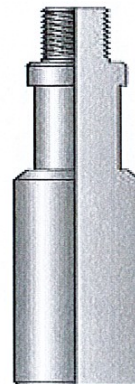
WIRELINE SWIVEL JOINT



QUICK LOCK COUPLING



TUBING GAUGE CUTTER RING SET



BLIND BOX

f) knuckle joints,

* is designed for flexibility to run smoothly into a deviated tubing string/high angle hole.

g) swivel joints,

* To ensure free rotation of down hole tool string assemblies even when the tool string is held in significant tension.

h) quick-lock coupling

* Safe and strong method of tool coupling.

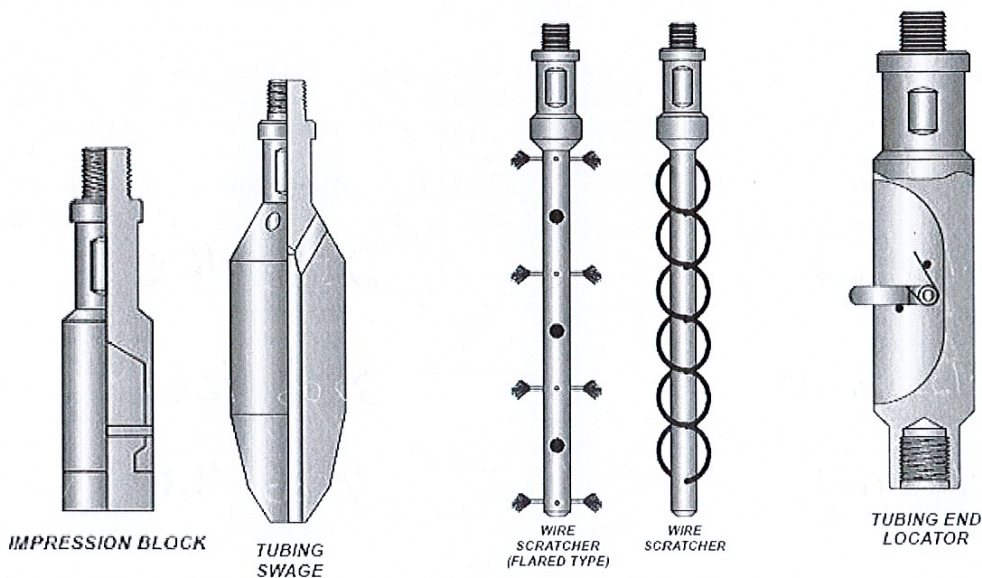
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- i) gauge cutter,
~~* used to groove the ID of tubing in which it is run~~
~~* tubing clearance (free from any obstacle)~~
~~* Remove paraffin/asphaltene on inner surface of tubing~~
- j) Blind Box
~~* used in fishing operation when heavy downward jarring action is required.~~



- k) lead impression box
~~* used in fishing operation~~
~~* acts as bottomhole camera.~~
~~* to obtain the impression of unknown tools within tubing string~~
- l) swage
~~* restore light collapse/dent in tubing~~
~~* used to remove large obstacles.~~
- m) wire scratcher
~~* to remove paraffin in inner surface of tubing.~~

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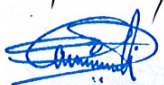
n) tubing end locator

* To indicate locate end of tubing and measure depth of tubing end of completion.

o) wire recover tool

* To fish/retrieve the wire.

Fill up below Table

A. Size of Wire that use at DB 1. 0.108 inch 2. 0.125 inch 3. 0.140 inch	B. Breaking point of each wire 1. 2500 lbs 2. 3200 lbs 3. 4500 lbs
C. Type of wire used at DB 1. ZERON 2. EIPS 3.	D. How to test if wire is good or not 1. wire pull test 2. Tension test. 3.
E. Why do we need to check on the tools before running in hole (RIH)? To ensure tool string is fully functioning. 12/12/21  GAZALI MEHRY Operation Manager Dimension Bid (M) Sdn Bhd (East Malaysia Operation)	



F. What do we need to do if the tool is damage or lost in hole?

- * Report to the owner
- * Consult with wireline Supervisor
- * Prepare fishing plan

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

- * Report to town Center (30-45 minutes)
- * Minor troubleshooting
- * Major - ROV for machine technician
- Request for New equipment.


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