

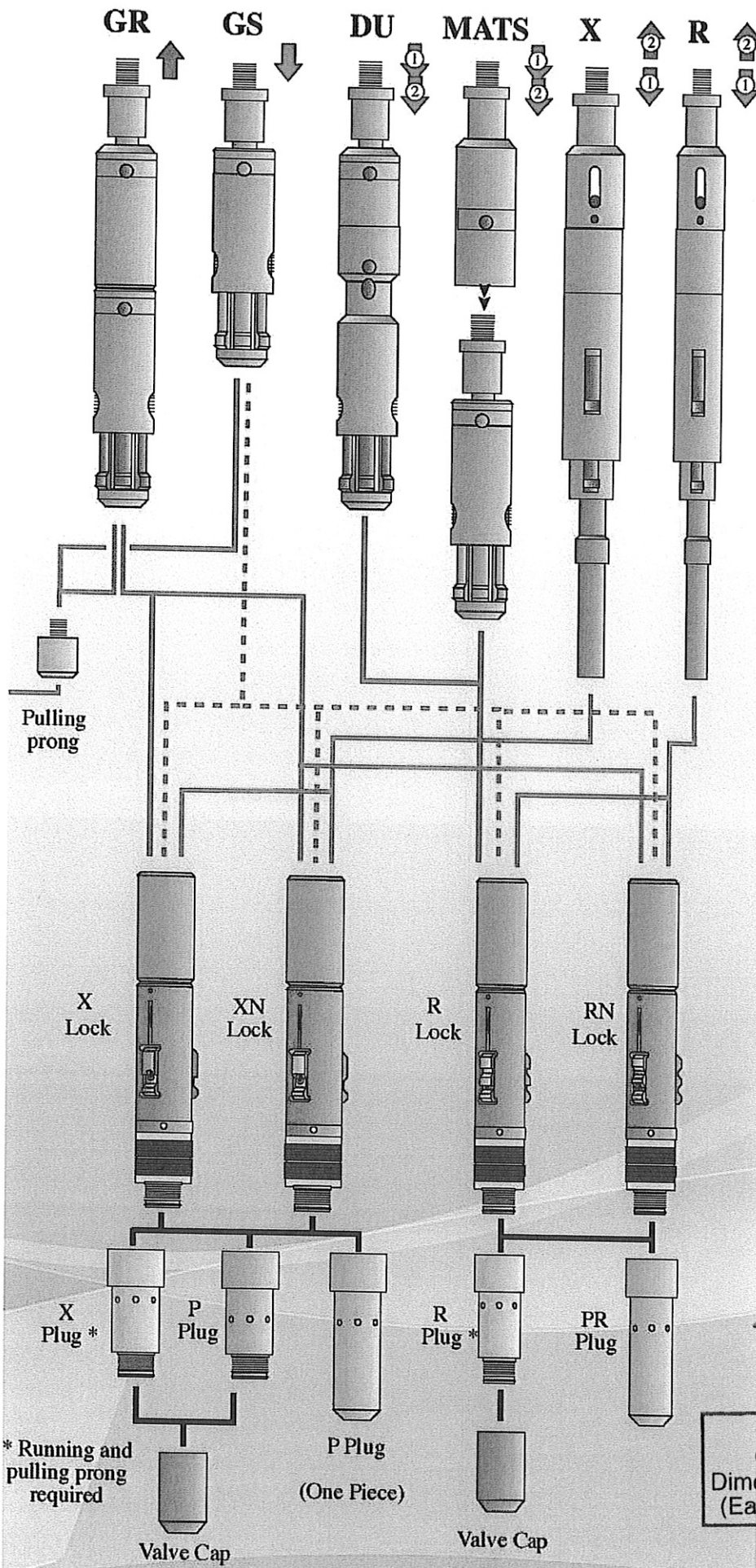


Please draw/sketch the toolstring configuration for:

- 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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Set and Retrieve Plug

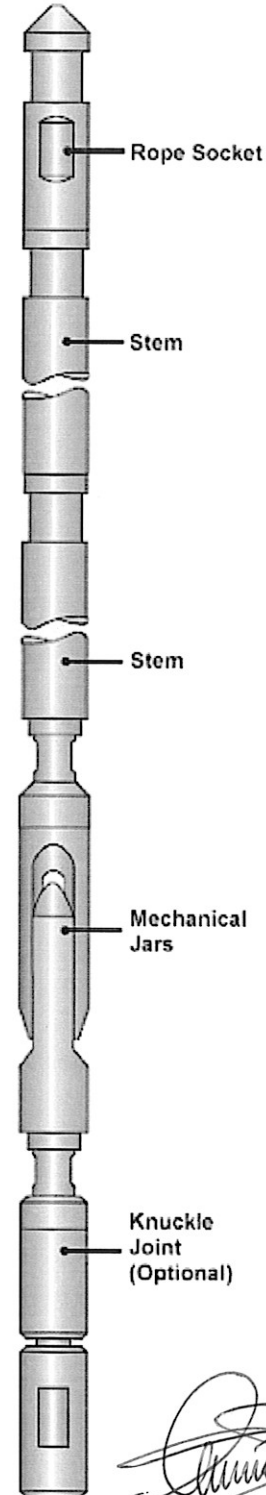


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C. DOWNHOLE EQUIPMENT

1. List out all basic running and pulling tools

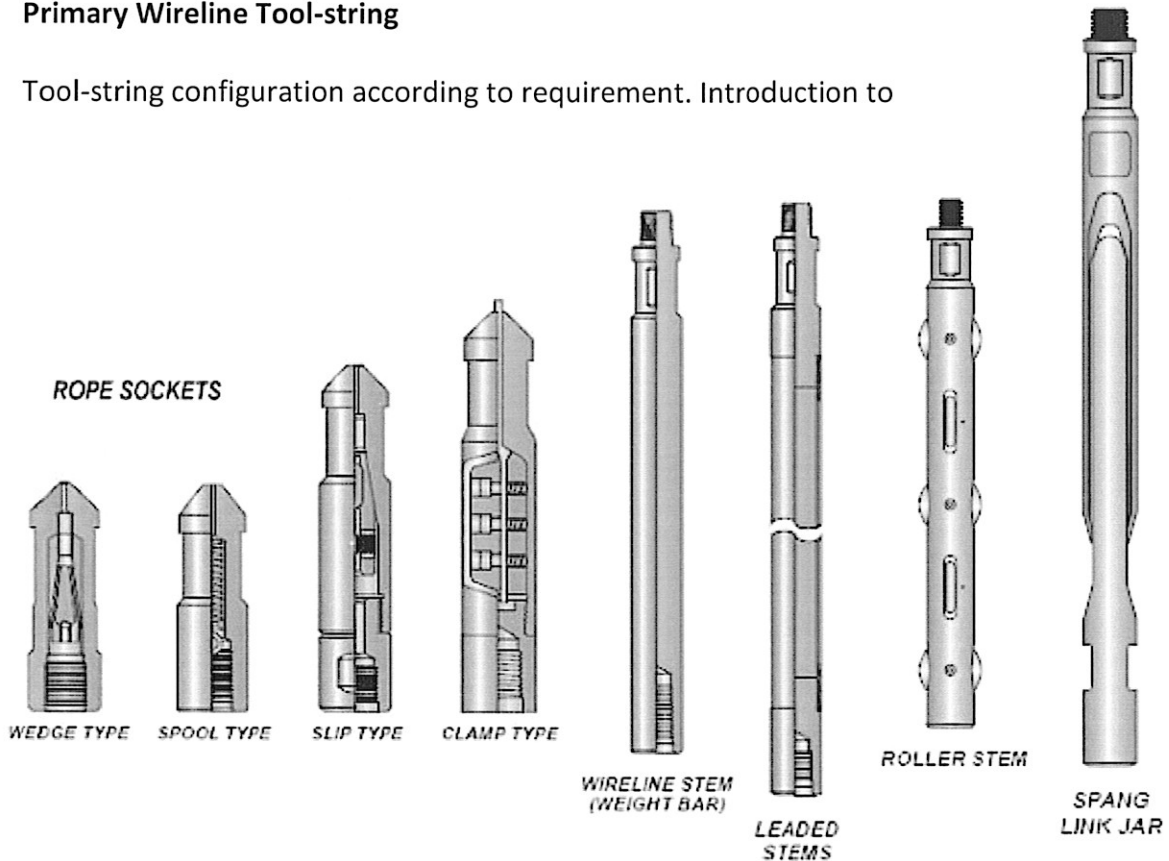
No.	Items
1	JV Type Pulling tools
2	JD Type Pulling tools
3	RB Type Pulling tools
4	SB Type Pulling tools
5	Gs Type Pulling tools
6	Gst Gu = GR Type pulling tools
7	JDC Type Pulling tools
8	JVC Type Pulling tools
9	X Line - Running tools
10	JK-I - Running tools
11	GA-2 Running tools
12	Z6 Running tools
13	PRS - Pulling tools
14	JVS Pulling tools
15	JPS Pulling tools
16	Xo Running
17	RO Running tools
18	DI-T Running tools
19	Ss Pulling tools
20	RS Pulling tools



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Primary Wireline Tool-string

Tool-string configuration according to requirement. Introduction to



a) rope sockets

To attach the wireline to the toolstring

b) stem lead

Stem lead provides the weight required during running toolstring in wireline operation. They should not be used in heavy jamming operation

c) tungsten stem

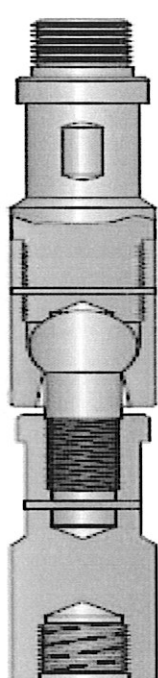
Provides additional weight than normal stem in wireline operation. Should not be used in heavy jamming operation.

d) roller stem

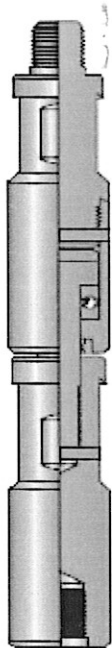
Used when entering a highly deviated wellbore. Roller stem replaces the conventional stem but with addition of roller to reduce friction against the tubing wall allowing the tools to be conveyed to the required depth.

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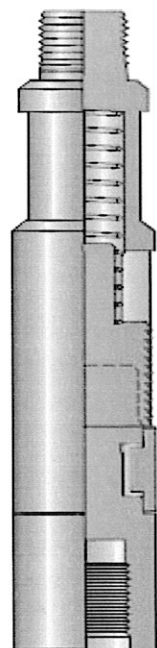
e) jars
Jar utilizes stem weight to deliver jarring impact to the toolstring below
jar is located below stem. The types of jar includes mechanical, link jar tubular jar
and spring jar.



KNUCKLE JOINT

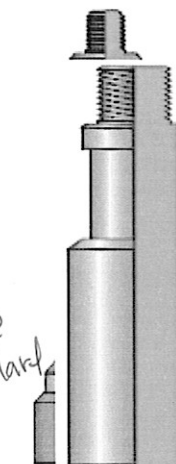


WIRELINE SWIVEL JOINT



QUICK LOCK COUPLING

f) knuckle joints,
knuckle joints are used
to add flexibility within the
toolstring and are particularly
effective within deviated
well bores



TUBULAR BLIND BOX CUT

g) swivel joints,
The swivel joint is an toolstring accessory that is incorporated
to minimize the effect of any potential wire twist caused by
downhole condition or devices run.

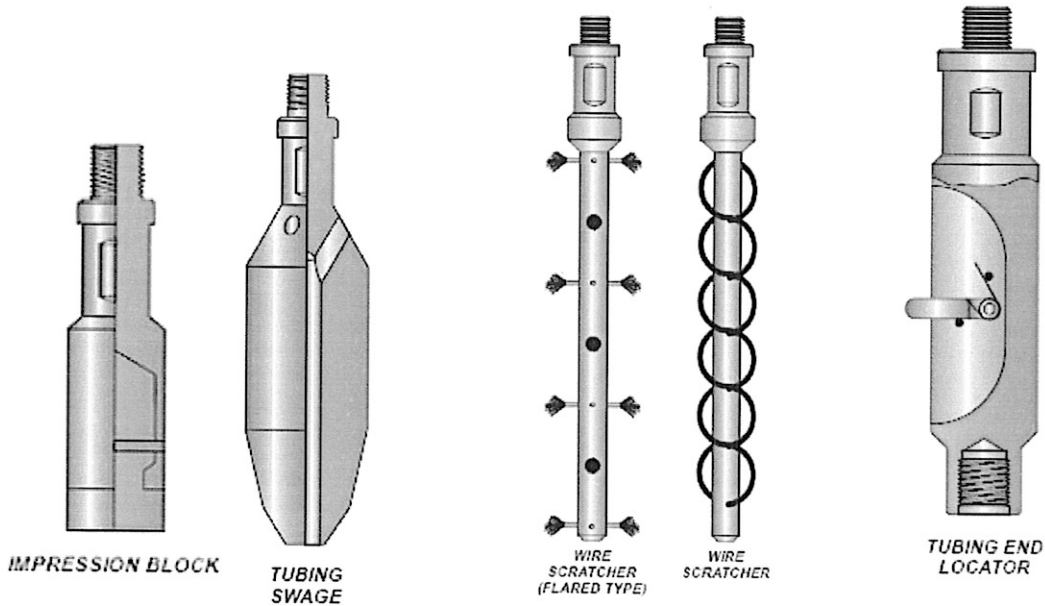
h) quick-lock coupling
Quick lock coupling/QLC is a type of connection that connect toolstring
faster and more ~~set~~ secure.

i) gauge cutter,
A wireline tool designed to gauge and scrape clean the tubing id.
The tool od should be slightly smaller than the tubing's id to
provide maximum tubing clearance

j) Blind Box

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Blind box are used when heavy downward jarring is required to dislodge a fish or push something down the hole.



k) lead impression box

Also known as a bottom hole camera, LIB is used during fishing operation to check the shape of size of the top of fish and to determine the appropriate tool to be used for fishing operation.

l) swage

Tubing swages are used to remove large obstruction and restore tight collapse in the tubing. this allows smooth running of tool string in well bore

m) wire scratcher

Used to remove large ^{Paraffin/wax/phenol/Scale} obstruction and restore from the inner surface of a tubing string. it has brush-like mechanism when run in hole or pull out of hole.

n) tubing end locator

Designed to locate the end of production tubing, allowing the total depth to be measured.

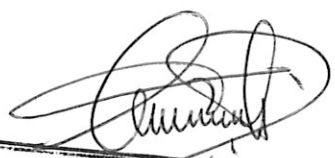
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o) wire recover tool

To fish the wire:

Fill up below Table

<p>A. Size of Wire that use at DB</p> <p>1. 0.108 ✓</p> <hr/> <p>2. 0.125 ✓</p> <hr/> <p>3. 0.140 ✓</p>	<p>B. Breaking point of each wire</p> <p>1. 2500 lbs ✓</p> <hr/> <p>2. 3500 LBS ✓</p> <hr/> <p>3. 4050 LBS ✓</p>
<p>C. Type of wire used at DB</p> <p>1. Zeron ✓</p> <hr/> <p>2. ZAPP</p> <hr/> <p>3. EIPS</p>	<p>D. How to test if wire is good or not</p> <p>1. wire pull test ✓</p> <hr/> <p>2. Torston test Pull test</p> <hr/> <p>3. Torston Test</p>
<p>E. Why do we need to check on the tools before running in hole (RIH)?</p> <p>To make sure the device is affordable and usable ✓</p>	
<p>F. What do we need to do if the tool is damage or lost in hole?</p> <ul style="list-style-type: none"> - Consult with Supervisor ✓ - Report to the town ✓ - Prepare fishing plan. ✓ 	



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