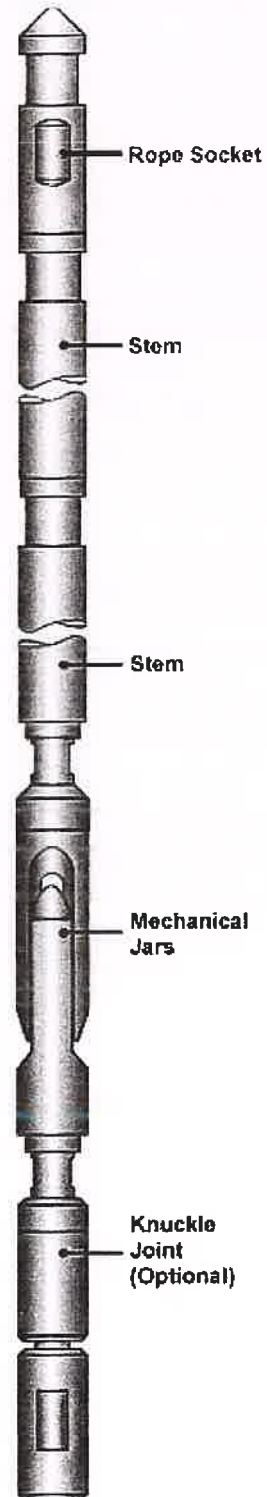




C. DOWNHOLE EQUIPMENT

1. List out all basic running and pulling tools

No.	Items
1	Gs Pulling tool
2	GR Pulling tool
3	JUC Pulling tool
4	JUS Pulling tool
5	JDC Pulling tool
6	JDS Pulling tool
7	RB Pulling tool
8	RS Pulling tool
9	SB Pulling tool
10	SS Pulling tool
11	PX Running tool
12	X-line Running tool
13	OK-6 Running tool
14	PCE Running tool
15	JK Running tool
16	
17	
18	
19	
20	

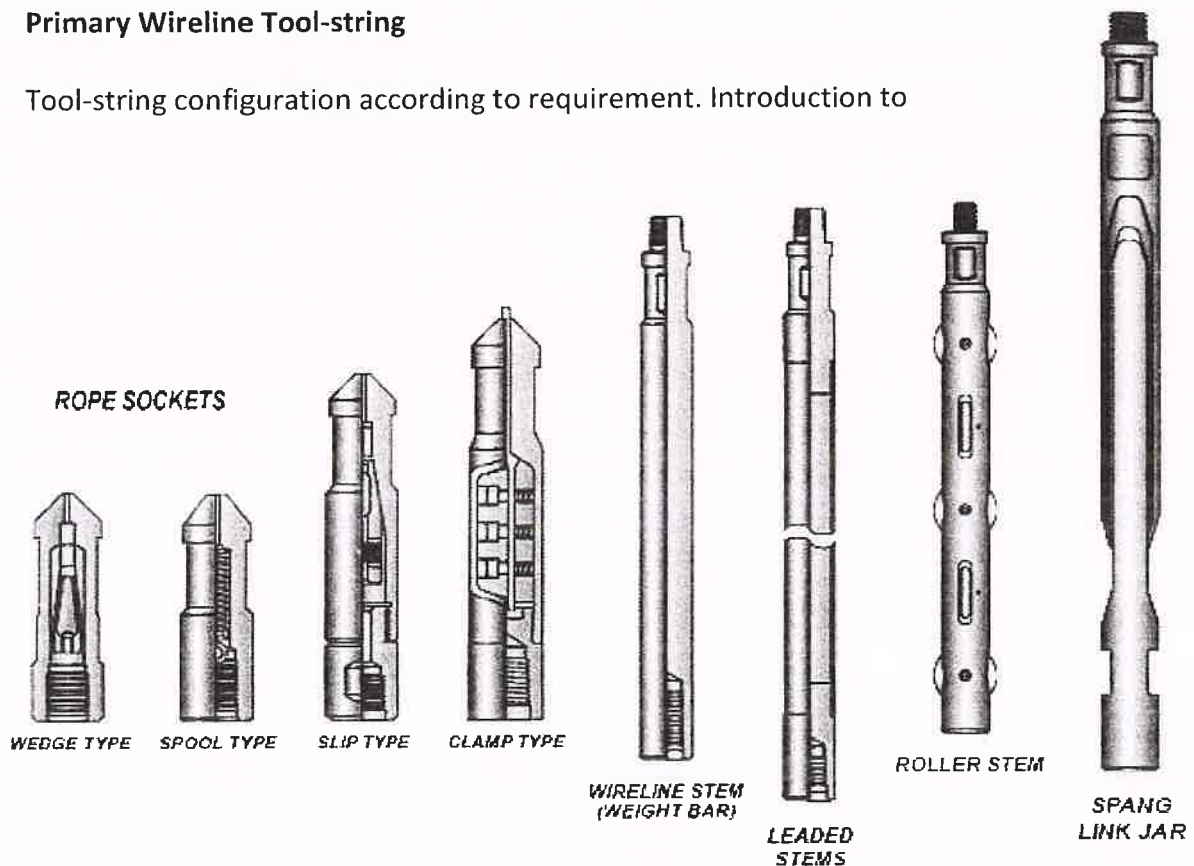


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Primary Wireline Tool-string

Tool-string configuration according to requirement. Introduction to



a) rope sockets

To provide line between the wire from toolstring.

b) stem lead

To increase toolstring weight and length.

c) tungsten stem

To provide more weight and then more heavy from stem lead.

d) roller stem

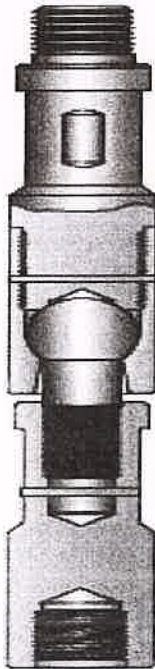
for use for angled well (60°)

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e) jars

to impact the toolstring for jar down and jar up.



KNUCKLE JOINT



WIRELINE SWIVEL JOINT



QUICK LOCK COUPLING

f) knuckle joints,

to add flexibility to high deviation well.



GAUGE CUTTER

BLIND BOX

g) swivel joints,

to protect the wire from twisting.

h) quick-lock coupling

easy to connect and disconnect.

i) gauge cutter,

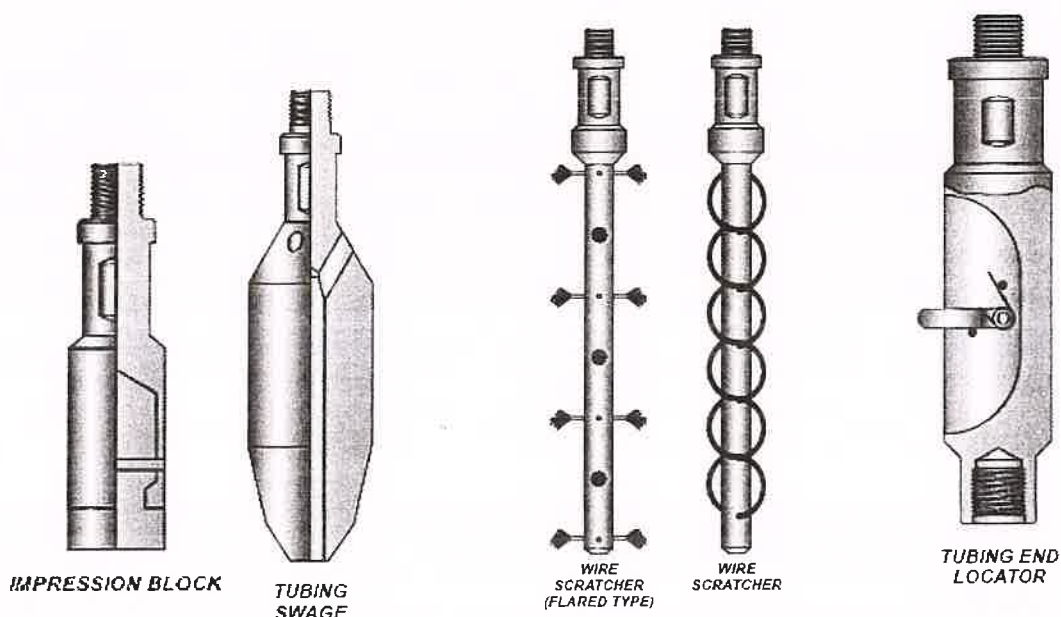
for tubing clearance.

j) Blind Box

CHARGE 21/4/24 CMA



Use to impact the toolstring or cut the wire from top of rope socket.



k) lead impression box

To get impression of image in well by tapped down.

l) swage

Tubing clearance for light collapse tubing.

m) wire scratcher

To clean tubing from wax.

n) tubing end locator

locate the lower end of the tubing. so that the depth may be massored accurately.

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o) wire recover tool

Grab - To catch parted wirefinder - To ball the wire when wire parted

Fill up below Table

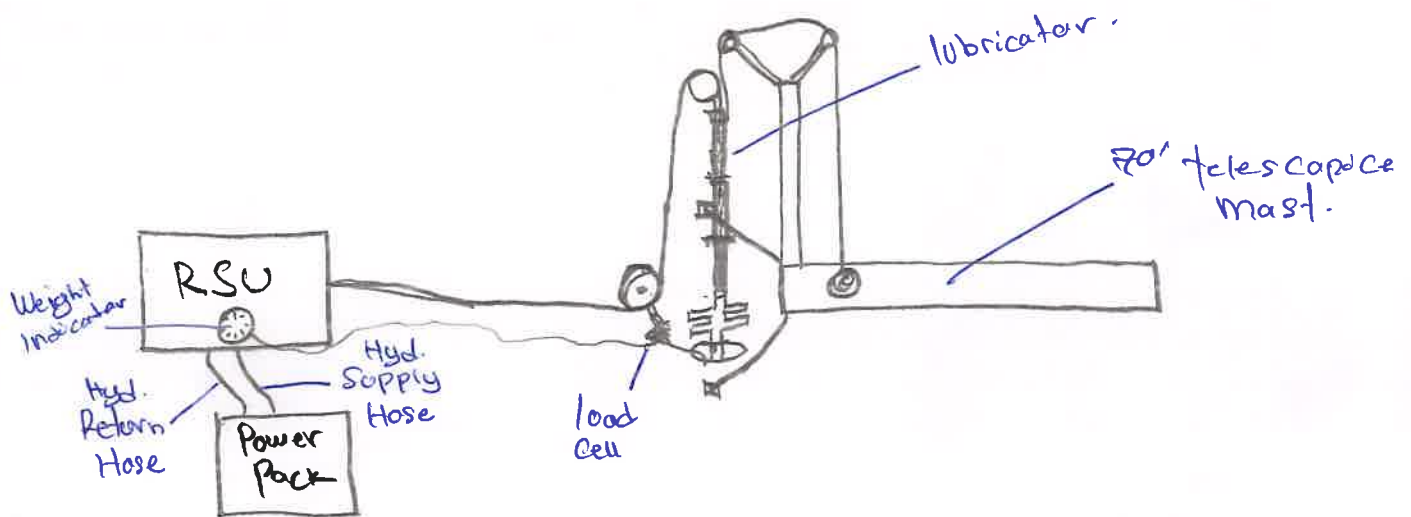
A. Size of Wire that use at DB 1. <u>0.108"</u> 2. <u>0.125"</u> 3. <u>0.140"</u>	B. Breaking point of each wire 1. <u>2500 lbs</u> 2. <u>3000 lbs</u> 3. <u>4050 lbs.</u>
C. Type of wire used at DB 1. <u>Zeron</u> 2. <u>ELPS</u> 3. <u>Braided line</u>	D. How to test if wire is good or not 1. <u>Pool test</u> 2. <u>Twist test</u> 3. <u>wrap test</u>
E. Why do we need to check on the tools before running in hole (RIH)? <u>Ensure tools in good condition and good function.</u>	
F. What do we need to do if the tool is damage or lost in hole? - Change the damage tool string. - Perform fishing job.	

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

- Stop work
- Identify the problem
- Report to town.



D. Rig up Wireline Surface Equipment

a. List out all surface equipment (Surface and Pressure Gauge)

DAMON 2/11/24
[Signature]

