

SLICKLINE ASSISTANT

WORKBOOK

IMPORTANT NOTE:

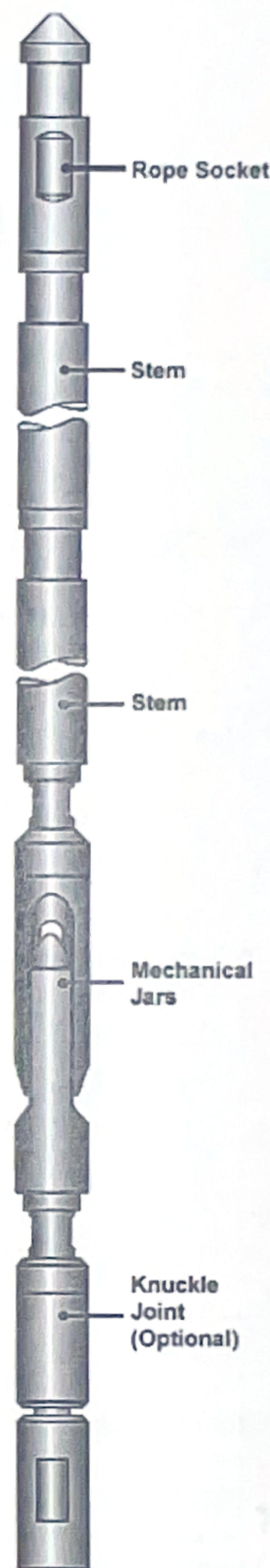
1. Your point of reference to complete this workbook may be obtained from the following
 - Training Manual and any other training materials provided together with this workbook
 - Your Trainer, Assessor (Slickline Operator), Verifier (FSM) or senior colleagues
 - SOP / Quality Procedures & Processors
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 | SHAFIQ EZANEE BIN SUHAIDI |
| DATE OF JOIN | 6 MARCH 2023 |
| CONTACT NO. | 01112900120 |
| RECEIVED DATE | |
| DATE COMPLETED | |

C. DOWNHOLE EQUIPMENT

1. List out all basic running and pulling tools

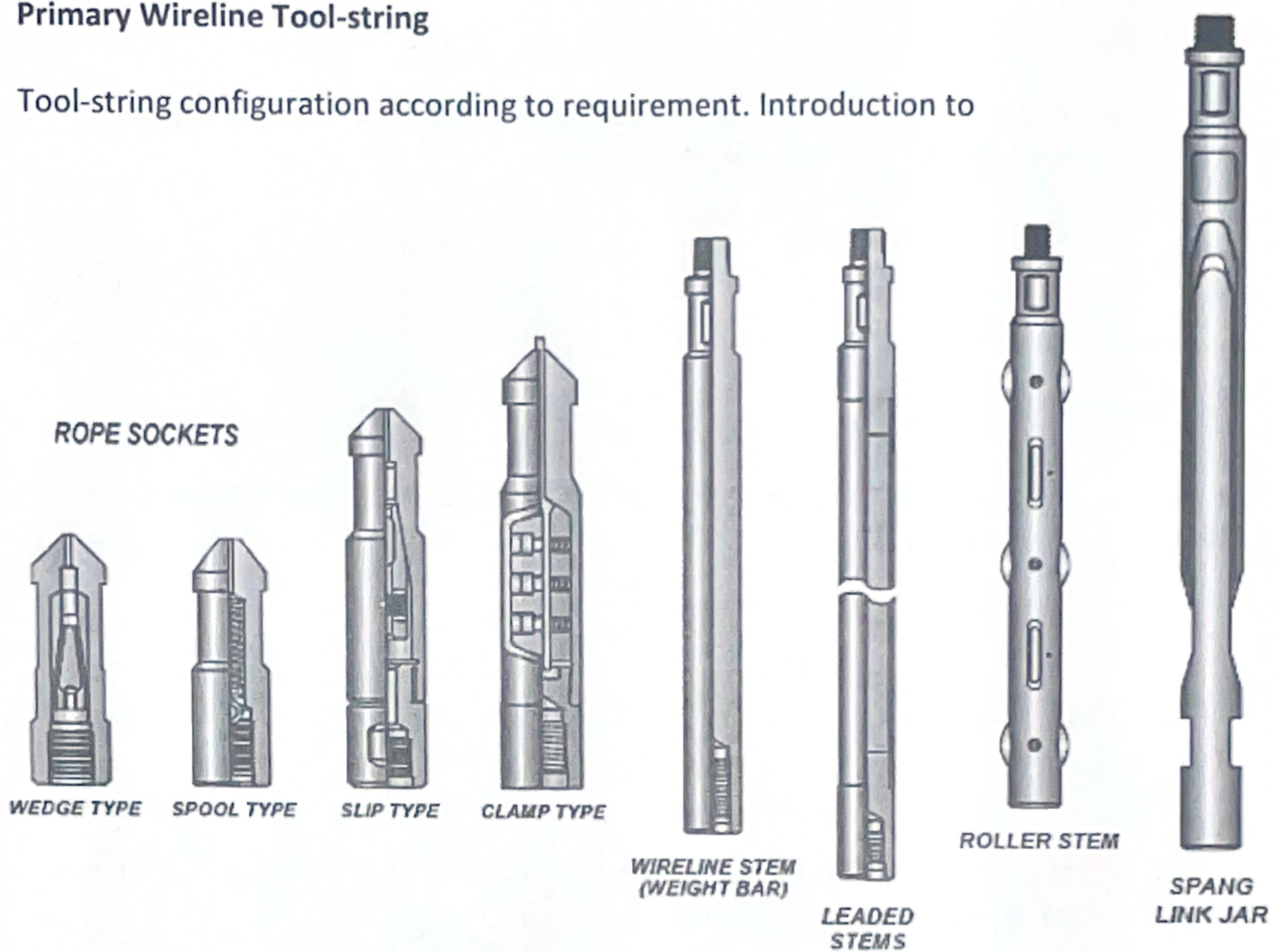
| No. | Items |
|-----|---------------------------------|
| 1 | SB Pulling/ Running tool |
| 2 | SS Pulling tool |
| 3 | RB Pulling tool |
| 4 | RS Pulling tool |
| 5 | JUS Pulling tool |
| 6 | JUC Pulling tool |
| 7 | JDS Pulling tool |
| 8 | JDC Pulling tool |
| 9 | GS Pulling/ Running tool |
| 10 | GR Pulling tool |
| 11 | X- LINE Running tool |
| 12 | PX Running tool |
| 13 | PRS Running tool |
| 14 | JK-1 Running tool |
| 15 | |
| 16 | |
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Primary Wireline Tool-string

Tool-string configuration according to requirement. Introduction to



a) rope sockets

- to provide link with the wire and tool string

b) stem lead

- to add weight tool string for overcome well pressure and function to provide impact downhole

c) tungsten stem

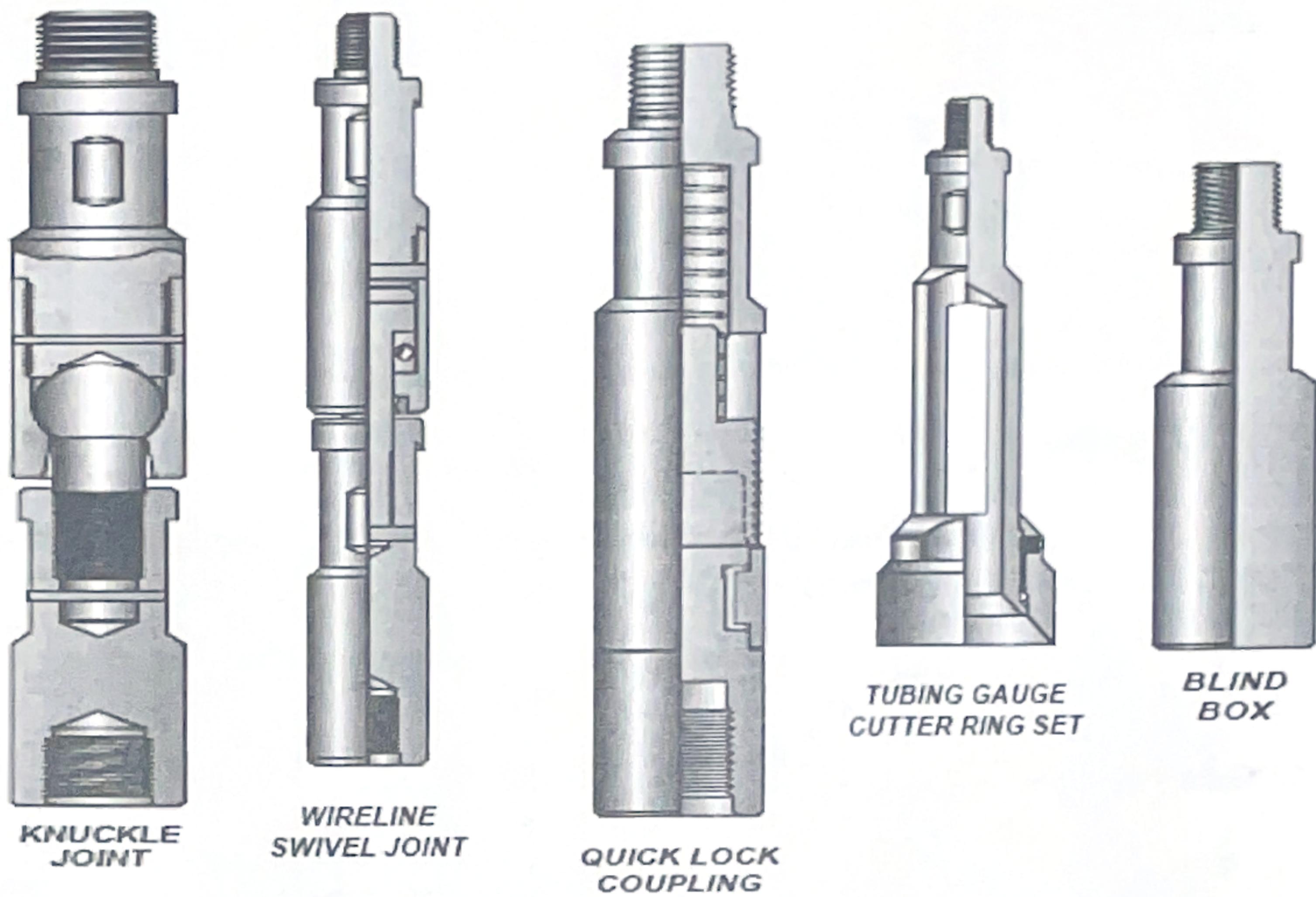
- to provide greater weight for the same diameter and length the inside is filled with lead to provide maximum density

d) roller stem

- additional for tool string for deviated well to reduce the functional loses against tubing well

e) jars

- it is essential that the operator can recognize the precise opening and closing of the jar on weight indicator



f) knuckle joints

- To add flexibility to the tool string and used in deviated well

g) swivel joints

- To minimize the effect of twisting wire caused by downhole tools being run.

h) quick-lock coupling

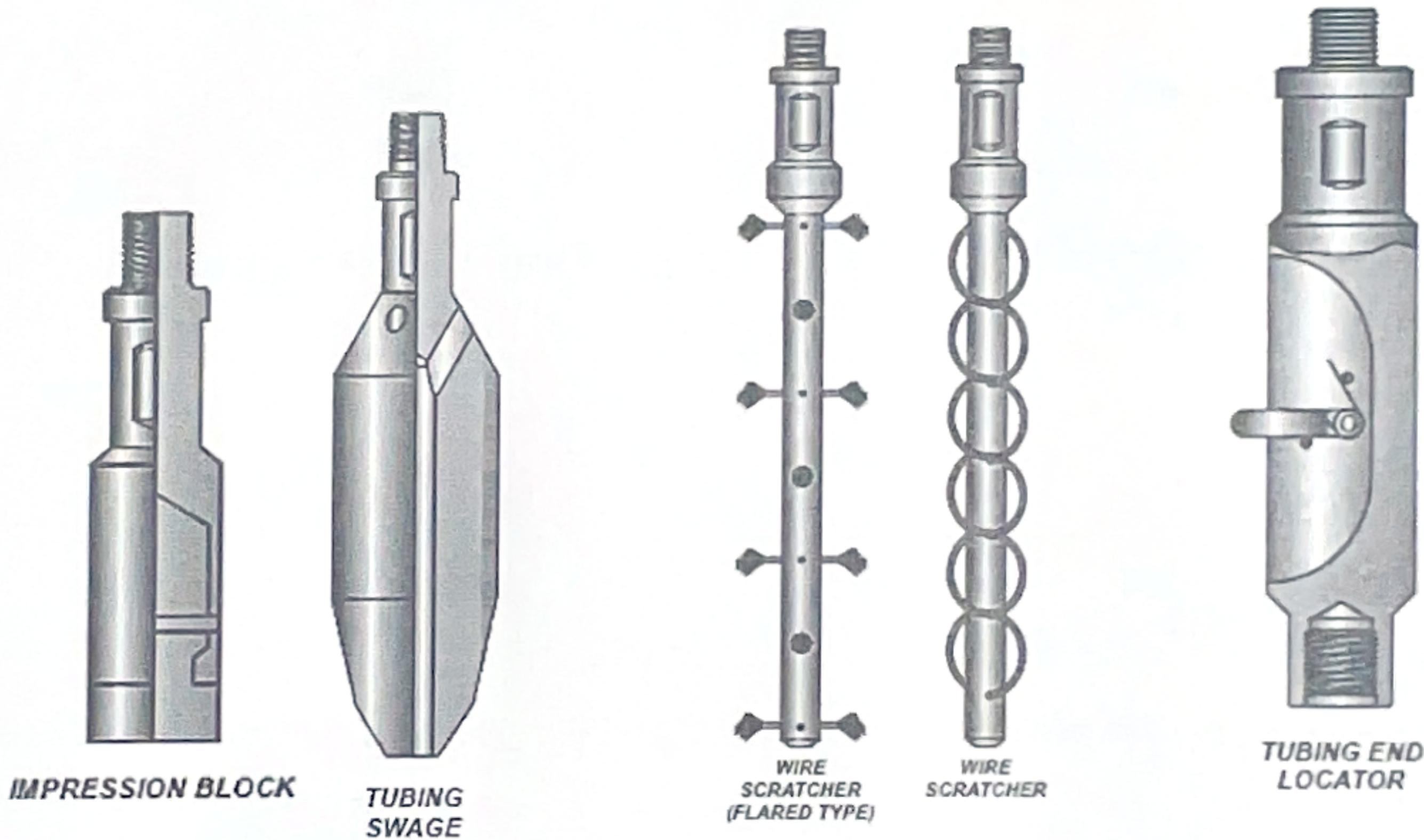
- To connect two wireline components without the use of wrenches.

i) gauge cutter

- tubing clearance
- check tubing ID
- tag total depth

j) Blind Box

- used when heavy downward jarring is required to dislodge a fish or push something down the hole



k) lead impression box

- Also known as 'bottom-hole camera'. used during fishing operations to check the shape or size of the top of fish and to determine the appropriate tool for the fishing operation.

l) swage

- To restore the light collapse in the tubing & to remove large obstructions

m) wire scratcher

- to clear wax, scale and sand in tubing ID, nipple profile, SSD Sleeve and SPM

n) tubing end locator

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

o) wire recover tool

- To ball up and located the damaged end of wire

Fill in below Table

| | |
|---|--|
| A. Size of wire that use in DB 1. 0.108" ZERON/ SUPA 2. 0.125" ZERON/ SUPA 3. 0.140" ZERON | B. Breaking point of each wire 1. 2500 LBS 2. 3300 LBS 3. 4050 LBS |
| C. Type of wire used in DB 1. EIPS 2. ZERON/ SUPA 3. BRAIDED WIRE | D. How to test if wire is good or not 1. TWIST WIRE 2. STRENGTH TEST 3. WRAP TEST |
| E. Why do we need to check the tools before running in hole (RIH)? <ul style="list-style-type: none"> - To ensure tools in good condition and function - to prevent from tool break- off inside the wall | |
| F. What do we need to do if the tool is damage or lost in hole? <ul style="list-style-type: none"> - report to supervisor on board - get advised from town - prepared for fishing job - secured the well | |
| G. What do we need to do if equipment failed to work? <ul style="list-style-type: none"> - try to troubleshoot problem - get advised from town - get advised from experience person - refer to manual book | |