# 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.

| | |
|---|---|
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| **DATE OF JOIN** | 13/03/2022 |
| **CONTACT NO.** | 013-9071599 |
| **RECEIVED DATE** | 05/04/2022 |
| **DATE COMPLETED** | 24/9/23 |

## C. DOWNHOLE EQUIPMENT

1. List out all basic running and pulling tools

| No. | Items |
|-----|-------|
| 1 | GS Pulling / Running Tool |
| 2 | GR Pulling Tool |
| 3 | SB Pulling / Running Tool |
| 4 | SS Pulling Tool |
| 5 | RB Pulling Tool |
| 6 | RS Pulling Tool |
| 7 | JUS Pulling Tool |
| 8 | JUC Pulling Tool |
| 9 | JDS Pulling Tool |
| 10 | JDC Pulling Tool |
| 11 | X-LINE Running Tool |
| 12 | PX Running Tool |
| 13 | PRS Running Tool |
| 14 | JK-1 Running Tool |
| 15 | |
| 16 | |
| 17 | |
| 18 | |
| 19 | |
| 20 | |

Rope Socket

Stem

Stem

Mechanical Jars

Knuckle Joint (Optional)
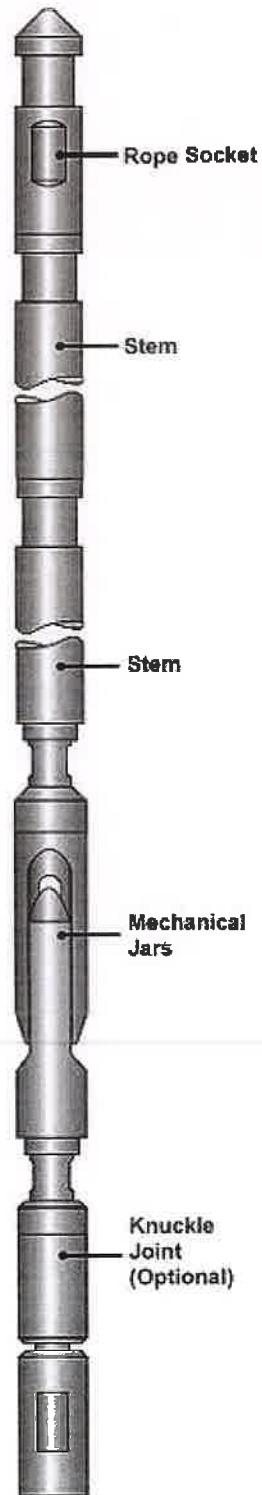
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## Primary Wireline Tool-string

Tool-string configuration according to requirement. Introduction to



ROPE SOCKETS

WEDGE TYPE    SPOOL TYPE    SLIP TYPE    CLAMP TYPE

WIRELINE STEM
(WEIGHT BAR)

LEADED
STEMS

ROLLER STEM

SPANG
LINK JAR
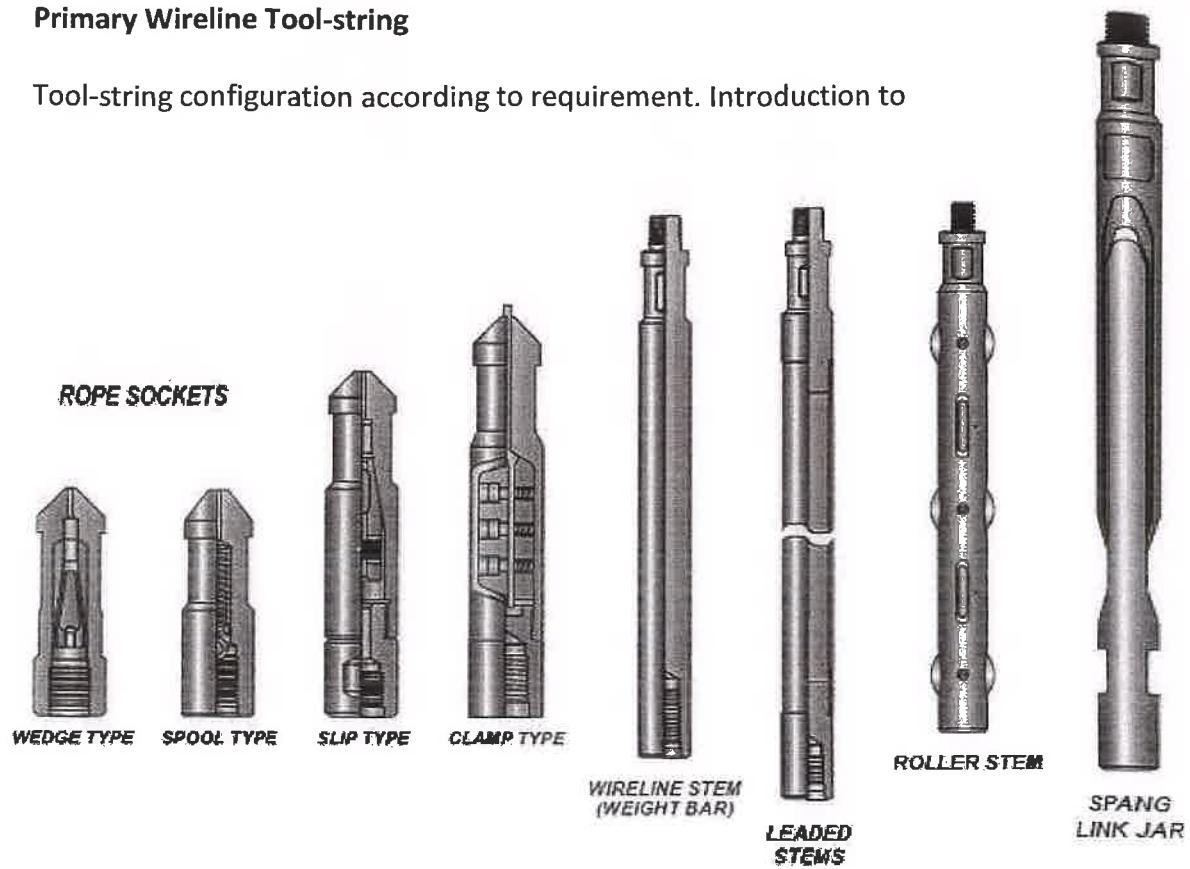
a) rope sockets

To provide link with the wire and tool string.

b) stem lead

To add weight toolstring for overcome well pressure and function to provide impact downhole.

c) tungsten stem

To provide greater weight for the same diameter and ~~length~~ length the inside is filled with lead to provide maximun density.

d) roller stem

Additional for toolstring for deviated well to reduce the functional losses against tubing well.

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e) jars

It is essential that the operator can recognise the precise opening and closing of the jar on weight indicator.
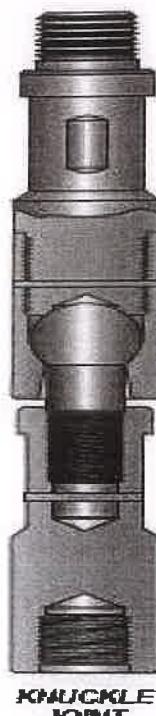


KNUCKLE JOINT  WIRELINE SWIVEL JOINT  QUICK LOCK COUPLING  TUBING GAUGE CUTTER RING SET  BLIND BOX
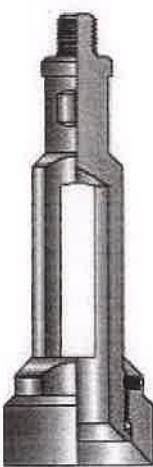
f) knuckle joints,

Is pamitted of movement and should be used only when necessary and hight deviation angle of well.

g) swivel joints,

To prevent twisting of the wire in the following toolstring.

h) quick-lock coupling
- A faster method connection toolsting component
- Save time when makeup toolstring.

Chus Gomes 20/06/20
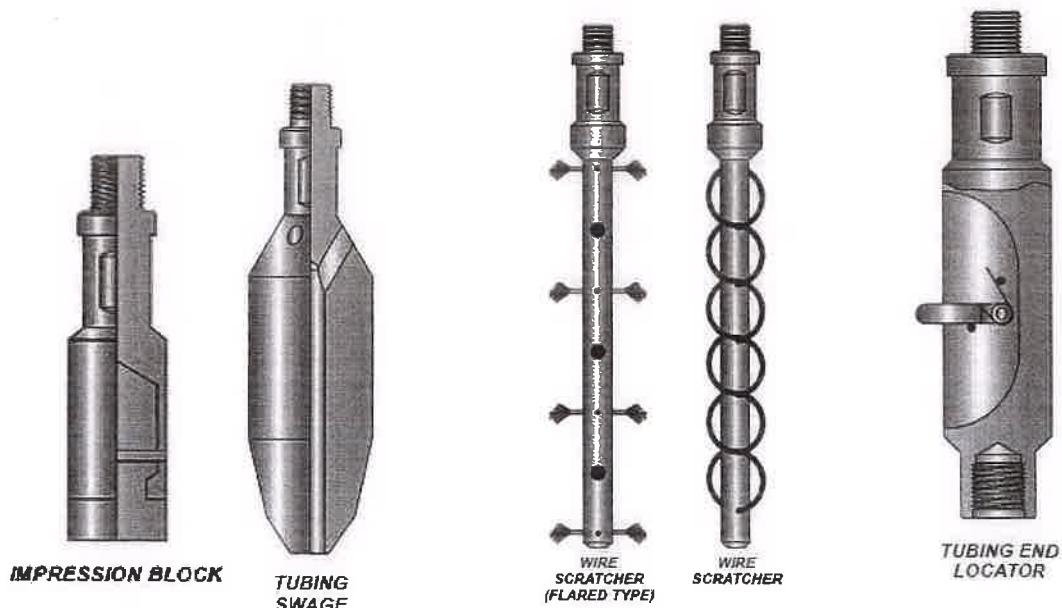
i) gauge cutter,
- Tubing clearrance
- Check tubing ID.
- ~~~

j) Blind Box
When heavy down hole jarring is required to diagnose a fish or pull something in down hole.



IMPRESSION BLOCK    TUBING SWAGE    WIRE SCRATCHER (FLARED TYPE)    WIRE SCRATCHER    TUBING END LOCATOR

k) lead impression box
To obtain a picture of downhole block in well.

l) swage
Used to restore light collapse in tubing string.

m) wire scratcher
- To clean ID tubing, nipple and profile.

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n) tubing end locator
  - Locate the end of production tubing.
  - Allowing the total depth to be measured.

o) wire recover tool
  - To locate and ball up the damged end of wire.

Fill up below Table

| A. Size of Wire that use at DB | B. Breaking point of each wire |
|---|---|
| 1. 0.108" ZERON / SUPA | 1. 2500 LBS |
| 2. 0.125" ZERON / SUPA | 2. 3300 LBS |
| 3. 0.140" ZERON | 3. 4050 LBS |

| C. Type of wire used at DB | D. How to test if wire is good or not |
|---|---|
| 1. EIPS | 1. Twist test. |
| 2. ZERON / SUPA | 2. Stregth test. |
| 3. BRAIDED ~~BRAIDED~~ WIRE | 3. WRAP TESA |

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

- To ensure tools in good condition and function.
- To prevent from tool break-off inside the well.

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

✓ - Report to supervisor on board .
✓ - Get advised from town :
✓ - Give Problem Report to town .

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

✓ Try to trouble shoot problem .
✓ Get advice from town .
✓ Give Problem Report to town

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