

SLS INTERNAL TRAINING

- **Date** : 4th October 2023
- **Day** : Wednesday
- **Time** : 10:00 am
- **Presenters** : Edriean Edmon



SLS Internal Training Topic Presentations :

	<u>TOPIC OF PRESENTATION</u>	<u>PRESENTER</u>
Presentation 1	1. Petroline QXD Running Tool	Edrieian

PETROLINE QXD RUNNING TOOL

Presented by Edriean Edmon Mangkah



Content

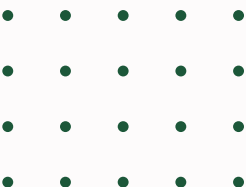
- 01 Introduction
- 02 Tool Function
- 03 Servicing Procedure
- 04 Pinning Procedure
- 05 Running Procedure





Introduction

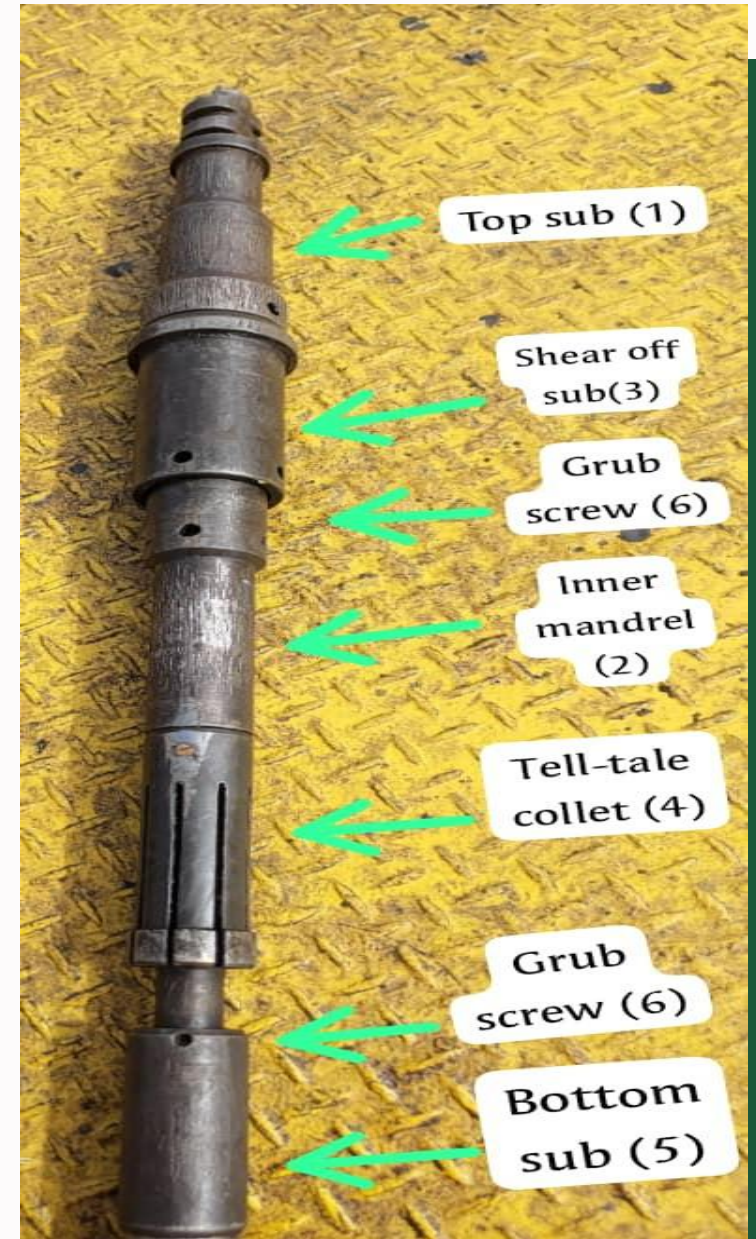
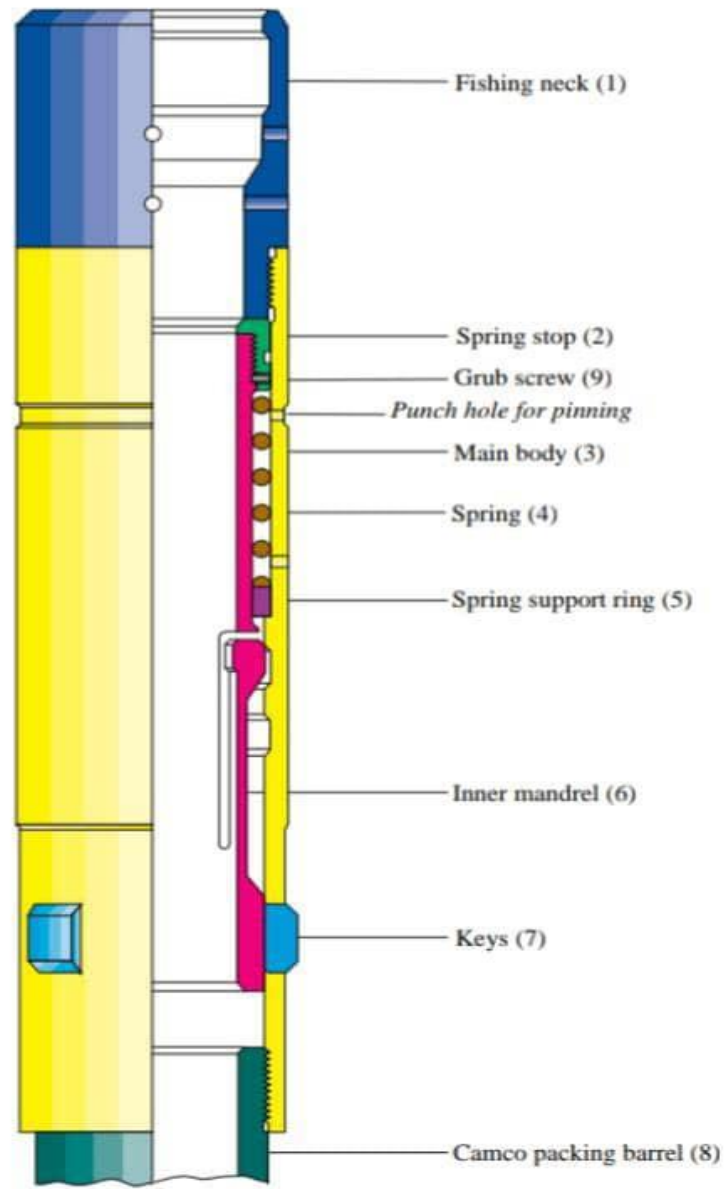
Welcome to the Procedures Manual of Petroline QXD Running Tool presentation. In this presentation, we will introduce the importance of having a procedures manual for the Petroline QXD Running Tool and explain the purpose of this document. The Petroline QXD Running Tool is an essential tool for oil and gas operations, and having a procedures manual can help ensure safety, consistency, and efficiency in its use.





Tool Function

QXD running tools is used to set B7 safety valve (Uniset QXD Lock) at the BP-6 profail. After set, pull out the QXD Running tool to check the pin at intact tele shear pin. If the pin is not share it mean the B7 safety valve (Uniset QXD Lock) is in proper set. But if the pin is share or it mean the B7 safety valve (Uniset QXD Lock) is not properly set, pull out back the B7 safety valve (Uniset QXD Lock) and change new pin at QXD intact tele and try re-run back.





SERVICING PROCEDURE

The Petroline 'QXD' Running Tool is used to run the 2.813" uniset lock.

Disassembly Procedure

Inspect all parts for damage and replace if necessary.

01

Grip the "Mandrel" (2) in the vice

02

Loosen the "grub screw" (6) and remove the "bottom sub" (5).

03

If not already sheared, drive out the collet "shear pin" (8) and remove the "tell tale collet" (4).

04

Loosen the upper "grub screw" (6) and back out the "top sub" (1).

05

Remove the "shear-off sub" (3).



Assembly Procedure

Ensure all parts are clean and apply Copper slip to all threads.

01

Slide the "shear-off sub" (3) over the "top sub" (1).

02

Loosen the "grub screw" (6) and remove the "bottom sub" (5).

03

Slide the "shear-off sub" (3) back until it locates on the top sub shoulder. Rotate the shear-off sub until the grub screw hole lines up with the hole and insert the "grub screw" (6).

04

Slide the "tell tale collet" (4) over the "mandrel" (2) until it locates on the 90° shoulder. Line up the shear pin holes on the mandrel tell tale collet and insert the brass shear pin.

05

Make up the "bottom sub" (5) to the "mandrel" (2) and insert the "grub screw" (6).

Note : Never assembly the running tool without a shear pin in the "tell tale collet" (4).

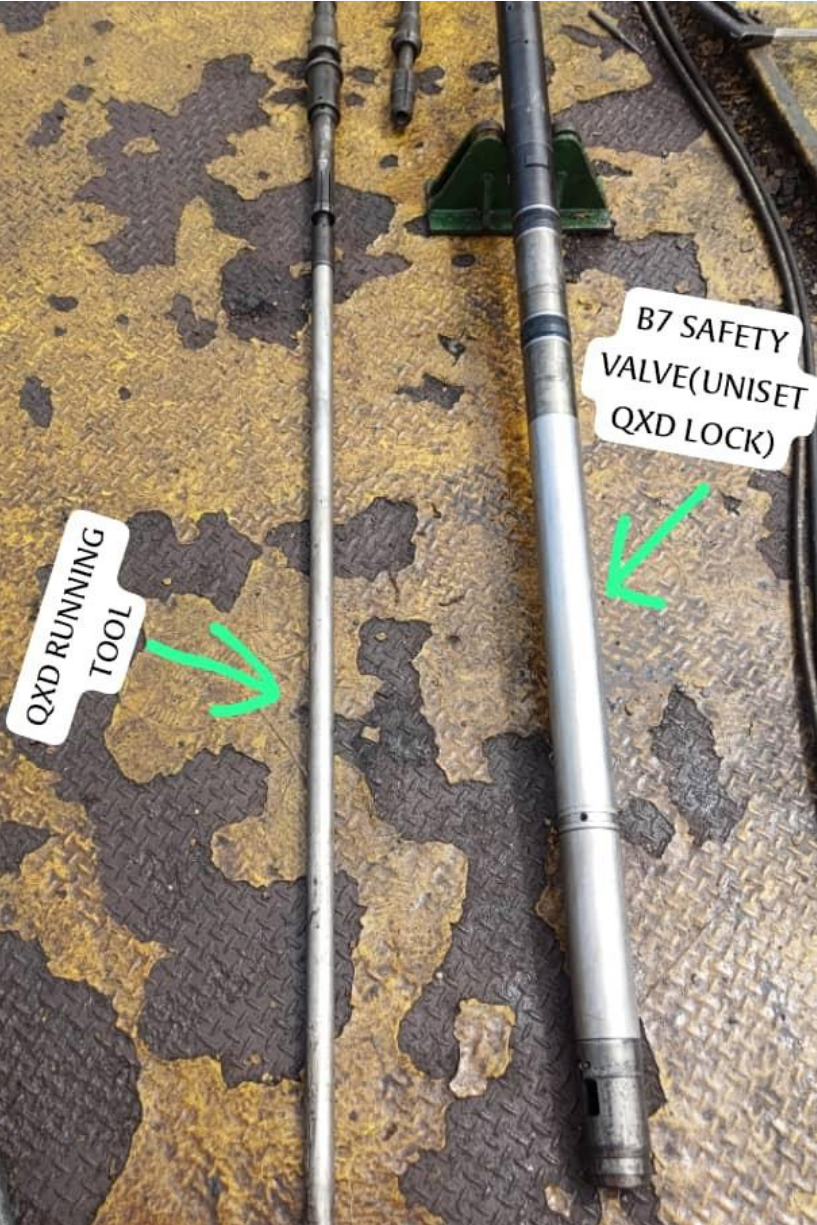


Dismantling/ Servicing QXD Running Tool





PINNING PROCEDURE



QXD RUNNING
TOOL

B7 SAFETY
VALVE (UNISET
QXD LOCK)





Preparation

- Install the "Pulling Probe" on the "pinning tool handle
- Insert into the "lock" and push down to compress the spring.
- Insert a punch in the "pinning hole" in the main body and withdraw the probe.
- Insert the QXD running tool until the shear pin holes on the "fishing neck" of the lock are lined up with the corresponding holes in the QXD "shear off sub" and "inner mandrel".
- Insert 2 brass pins into the lower (setting) pins and centre punch them to prevent the broken pieces falling out.
- Insert 2 brass pins into the upper (retaining) holes and centre punch them.
- Remove the punch.

The running tool and lock assembly is now ready to run

QXD Running Tool & Pinning





RUNNING PROCEDURE

1

Lower the lock mandrel into the wellbore taking care when passing through the wellhead, other nipple profiles, or restrictions in the tubing string.

2

When the appropriate landing nipple is reached, then light downward jarring is required to position the V-packings into the seal bore and locate the no-go shoulder of the lock mandrel onto the no-go in the nipple.

3

Further downward jarring is required to shear the lower set of setting pins on the running tool, thus allowing the inner mandrel to move partially upwards.

Note : Always ensure enough downward jar action is applied to shear the setting pins

4

In order to lift the lock off the no-go, jar upwards lightly with the spang jar 10 to 15 times, then take a check pull and hold it for approximately 5 minutes.

If the lock is not set correctly, you should see a drop off in weight.

If this is the case , repeat the setting procedure.

If this is not the case and the lock is secure, upward jarring will shear the upper pins releasing the running tool.

On retrieving the running tool to the surface, always check the shear pin holding the telltale collet in place. If the pin is sheared, this indicates the lock is not set correctly and must be retrieved.

Note : If height allows it, incorporate an upstroke jar in the toolstring for setting and pulling lock mandrels.

**Neu
Dimension**
Your Integrated Solutions Partner

THANK YOU

Edriean Edmon Mangkah



+6016-8392787



Edriean@neudimension.com



Attendance QR Code

