Dropped Objects Prevention is Our #1 Goal

FD
Floating Drift™

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D2 OIL TOOLS

Until now, there have only been a few ways to drift pipe, most of which are unsafe, time consuming and unreliable. Drifting pipe prior to running does not guarantee the condition of the pipe once on bottom.

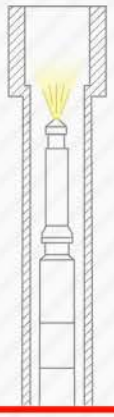
The Floating Drift verifies the ID after make-up of each joint or stand and catches any debris in the pipe. This eliminates costly trips out of the hole to replace damaged tubulars or to remove debris.

No More surprises when your pipe is on bottom and you discover that tools or balls cannot be run.

Eliminate Dropped Drifts from the derrick and **Gauge Ring** runs for tubing as full drift is verified while running in hole.

Safety
No more dropped Drifts on Rig Floor

Cost Saving
Reduces rig time on every trip



Reliability
Ensures no obstructions are on bottom

PATENT UNITED STATES PATENT OFFICE PENDING

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Our Mission

To help reduce future incidents of dropped objects, while saving you rig time and potential down hole problems.

The Floating Drift was field tested for 18 Months on rigs prior to release to the public

Who We Are:

We are a small, independently owned company with over 60 years of oilfield experience combined.

We have worked hard to bring a safer, more cost efficient way of drifting pipe while running in the hole.

Our number one goals for creating this product are Safety, Rig Cost and Efficiency.

No more sending the drift up in the elevators on a lanyard for the derrick hand to drop the drift with the possibility of hitting someone on the rig floor.

Don't wait till your pipe is on bottom to find out you have ID restrictions caused during make-up or debris.

Safety **Cost Saving** **Reliability**

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THE FLOATING DRIFT™

FD Floating Drift™

Fig 1

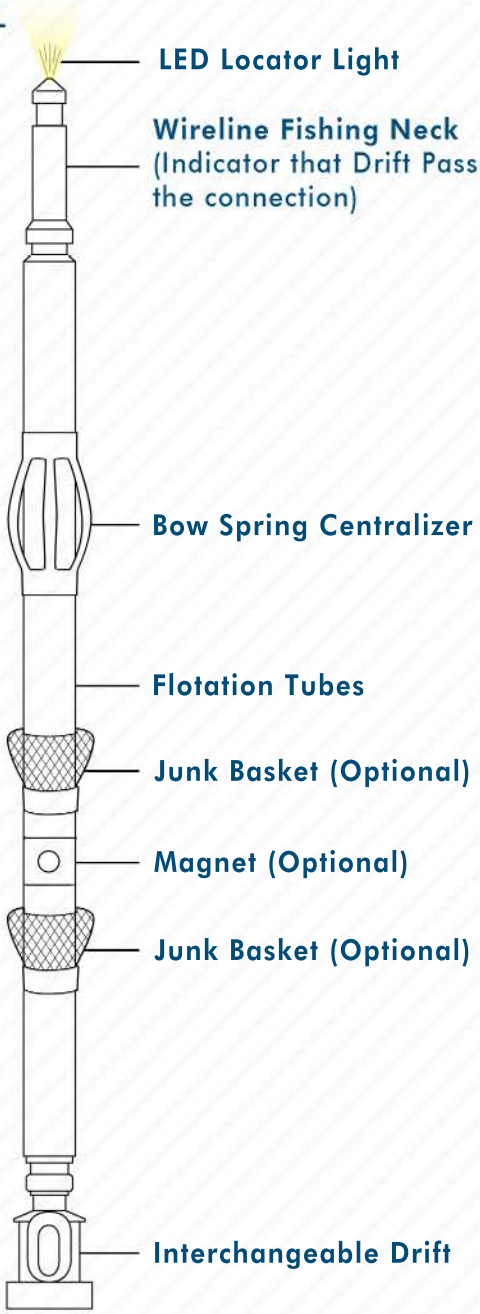

Fig 2

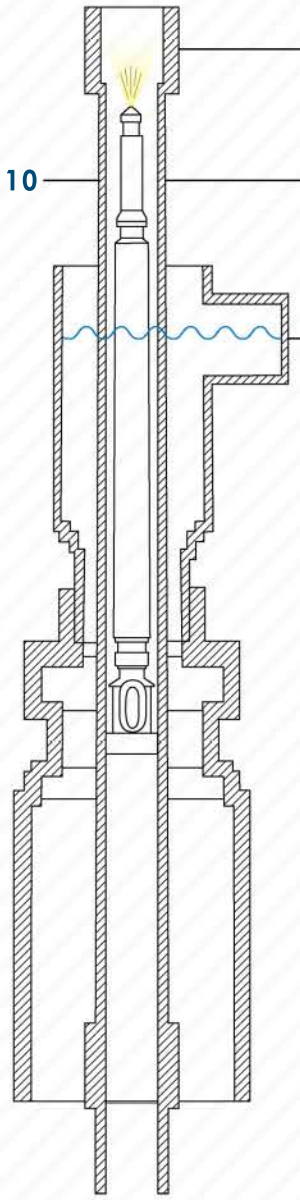

Fig 1- Shows the basic components of Drift

Fig 2 -Shows how the drift works

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HOW IT WORKS

Fig 1- Initial position

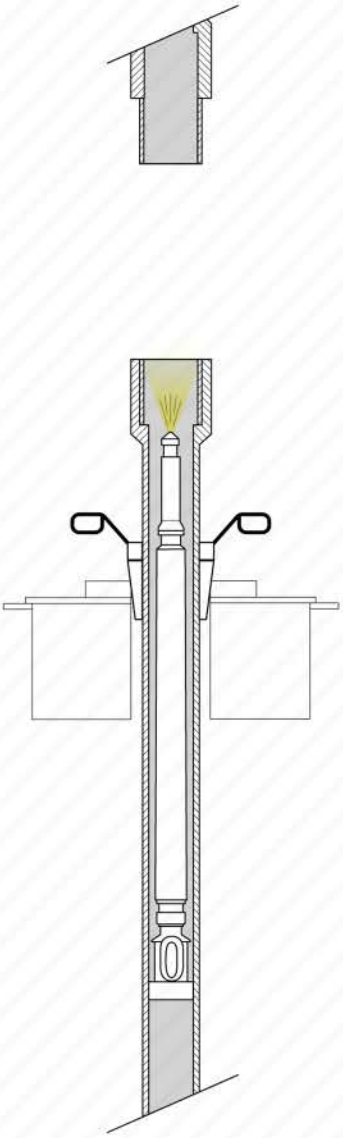


Fig 2 - Passing through connection after make up

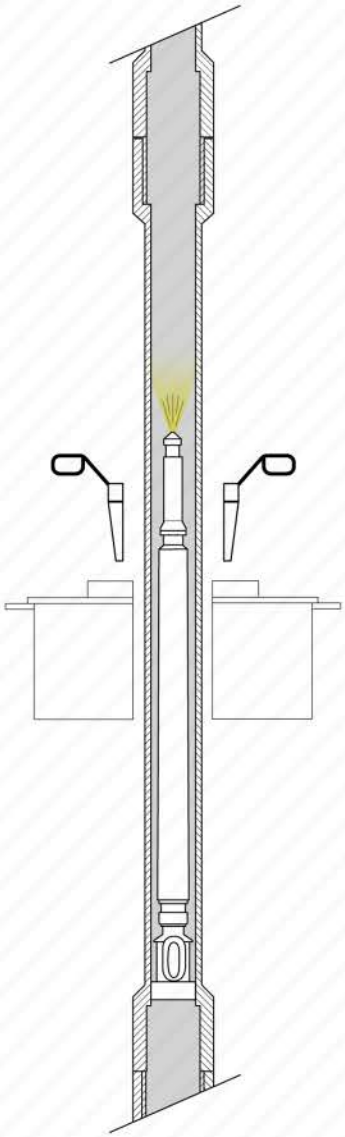
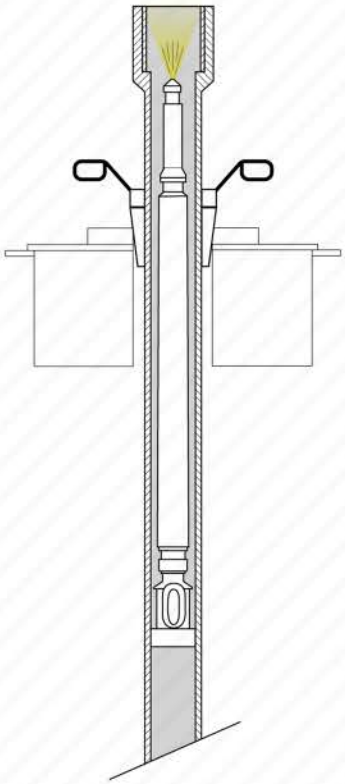


Fig 3 - Drift passed through connection and is at next connection. If the drift does not return to this position it has located a restricted ID. Drift can be spaced out below connections and LED is indicator of correct position.



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Eliminates the need to drop a drift out of the derrick, preventing a possible dropped object.

Prevents possible dropped object in well bore.

Reduces trip times when the need to drift out of the derrick arises (Running ball drop packers, gravel pack assemblies, TCP assemblies or any other BHA)

Allows the operator to know immediately after the joint/stand has been made up, if there is a damaged tool joint or debris in the pipe.

Can be used to drift the drilling risers while running.

After running in the hole, there is no need to run a gauge ring prior to performing slickline work, saving time and money.

If pumped down hole, it is easily fishable, millable, and can be reversed out to surface with catch tool.

No special subs need to be placed in tubing string.

Eliminates the cost and time to Pickle the Pipe prior to Frac Pack or Gravel Pack.

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Floating Drift™

Safety
No more dropped Drifts on rig floor

Cost Saving
Reduces rig time on every trip

Reliability
Ensures there are no obstructions are on bottom

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For any Questions Contact Us:

Phone: 832-671-4644

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www.d2oiltools.com

D2 OIL TOOLS

Safety Alert

Alert 00-31

http://www.iadc.org/safety-alerts/alert-00-31-drift-dropped-derrick/

DRIFT DROPPED FROM DERRICK

WHAT HAPPENED:

The rig crew was drifting 4 ½" tubing while tripping in the hole. While on the board, the derrickman inadvertently dropped the drift and it hit the rig floor.

WHAT CAUSED IT:

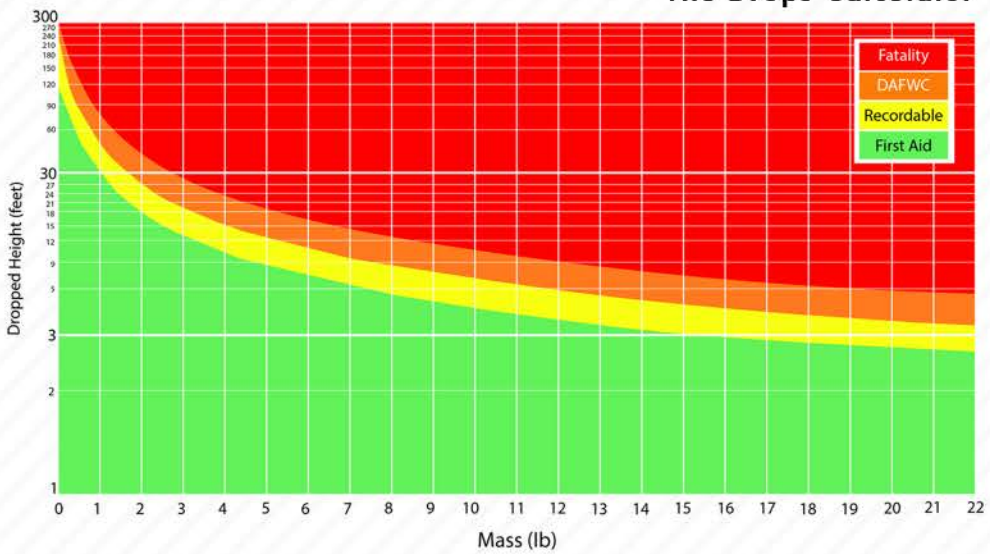
The rig team looked at the system they were using to handle the drift and decided to install a step-up near the back of the board. Before the drift is dropped into the pipe, the derrickman leans the stand in the alley-way to the back of the board. He then steps up on the step and inserts the drift. There is still the risk that the derrickman may inadvertently drop the drift when he retrieves it from the elevator and carries it to the back of the board.

CORRECTIVE ACTIONS:

The pre-job safety meeting identified the potential hazard of the drift being dropped. Also during the hazard analysis for this job, the crew had the foresight to address the "what if" possibility of someone walking onto the floor during the drift handling process.

- The rig addressed the process they were using to install the drift in the tubing. This incident is a good example where use of the pre-job safety meeting prevented the occurrence of a potentially severe injury.
- They identified the energy source (gravity) and took steps to control that hazard.
- The floor was cleared each time while the derrickman was handling the drift rabbit.
- The floor access stairs were secured to prevent someone from walking onto the rig floor and into the hazardous area.

The Drops Calculator



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