Benefits of The Floating Drift

FD
Floating Drift™

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OIL TOOLS

The Floating Drift is field proven and used on righs in the GOM and onshore locations.

This tool was developed out of need from actual problems during rig operations that ended up costing millions of dollars to the operators over the years with such cases as crimped pipe, over torqued pipe, lost drifts, under sized pipe, wrong ID's, dropped lanyards and many more other **problems** associated with **Conventional Drifts**.

PREVENTION OF DROPPED OBJECTS IS OUR #1 GOAL

Safety

PATENT UNITED STATES PATENT OFFICE PENDING

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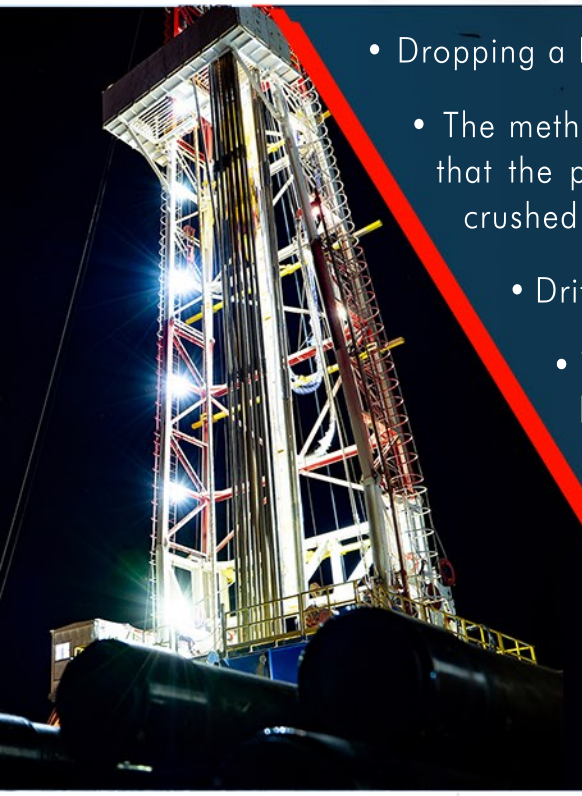
UNTIL NOW, THERE HAVE BEEN ONLY A FEW WAYS TO DRIFT PIPE.

NO MORE DROPPED DRIFTS ON RIG FLOOR

Benefits of the Floating Drift



- Dropping a Hollow Steel Drift with a wireline tail on it.
- The method only drifts pipe that is pulled out of hole and does not ensure that the pipe does not pick up debris on the pin board or is crimped or crushed during makeup.
- Drifting pipe out of the Derrick.
- This method ensures the pipe is clear after setting on the pin board but does not ensure that the pipe is not damaged during makeup or setting slips. It is the most dangerous forms of drifting out of all the methods and very time consuming.
- Drifting pipe out of the V-Door.
- This method cannot guarantee that the pipe is not damaged during make up it only ensures the pipe was clear and damage free prior to making the pipe up.

THE FLOATING DRIFT SOLVES AND PREVENTS ALL OF THE ABOVE PROBLEMS.

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

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HOW IT WORKS

- The Floating Drift is installed in the first stand or joint.
- The drift is at the bottom of the drift assembly below the connection being made up. After the connection is made up, the fluid column allows the drift to float through the pipe and all connection ensuring the pipe did not get crimped or the connection over torqued.
- If the Drift Light is not seen this indicates an ID restriction immediately letting you know that the tubular needs to be pulled to find the problem.
- Junk Baskets and Magnets remove dope and smaller debris out of the pipe.
- In short, the Floating Drift eliminates the possibility of problems with debris or ID restriction before your pipe is on the bottom. Any problem with the pipe is caught at surface, potentially SAVING $$$ from pulling pipe.

TIME AND COST SAVINGS COMPARED TO CONVENTIONAL DRIFTING

- Comparing the time to drop a drift from the derrick, actual time savings have shown between 2 ½ - 3 minutes more per stand to drift out of the derrick, while running the Floating Drift has the same trip speed as not running a drift at all.
- The time savings has been measured by running portions of the string using the conventional method of dropping the drift out of the derrick and then running the additional pipe with the Floating Drift.
- Eliminate the need for pipe flush and pickle before Frac jobs.
- Slickline Gauge Ring Run eliminated since the pipe has been drifted while running in the hole.

COST SAVINGS

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EFFICIENCY

•All tubulars run in the hole, are drifted after being made up. In the event that the connection is over-torqued, the Damaged Joint is caught at the surface instead of finding out after the string is on the bottom. This eliminates a costly trip out of the hole to remove the bad joint.

•The Floating Drift also catches any debris in the tubular that will prevent Electricline Tools, Slickline Tools, Bails or Darts from reaching bottom. Once again, the problem is eliminated before the tubulars are on bottom. This again eliminates a costly trip out of the hole.

•The Floating Drift has also proved to catch any ovality problems on tubulars that would prevent packers and other tools from setting or being run in the pipe.

•When running the Floating Drift in production tubing, the normal slickline gauge ring that is standard protocol is eliminated since all tubing is drifted

SAFETY

•When development started on the product, the emphasis was on cost savings and efficiency. As development matured, it was clear that the Safety Aspect of the tool was more important than the cost and efficiency. With the emphasis on eliminating Dropped Objects, the Floating Drift solves this problem in regards to drifting tubulars.

•The Safety aspect is why the rig contractors embrace the Floating Drift. Rig contractors want to mitigate any potential safety concerns and LTA's with dropped objects and economic exposure from dropping the drift in the hole.

EFFICIENCY

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