

For Immediate Release

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Downhole Products, Ltd. Enhances Reamer Shoe Line with Patent-Pending Advancement

(ABERDEEN, SCOTLAND – 29 September 2009) –Downhole Products (DHP) has extended its technology leadership through modification of its already successful Pen-O-Trator™ line of reamer shoes with the inclusion of an enhanced aluminum nose with pre-stressed zones on the exterior surface.

The design modification, fueled by the request of a major international operator, assists in the break-up of the reamer shoe's aluminium nose during drill out of the shoe-track following cementing. The engineered pattern of stress zones allows the aluminium to fracture into small pieces when the drill bit encounters the inside of the nose. The smaller pieces are more easily milled, drilled and evacuated from the wellbore.

Previous reamer shoes have occasionally caused problems when large pieces of aluminum broke out and spun beneath the drill out bit reducing penetration to a near stand still. In those cases the PDC cutters affixed to the drill bit would sometimes get coated with heated aluminum thus reducing their cutting efficiency.

The Pen-O-Trator product line also includes the following features:

- Surge Reduction Enhancement
- Penetration by Reaming Past Obstructions With or Without Rotation
- Integral Float Valve – Spec API (RP) 10F CAT 111C

-More-

- Anti-Aggressive Left Hand Blades
- Slick Body Eliminates Solids Build Up
- Optional Integral Low Torque Centralizer
- Dynamically Positioned Circulating Ports for Effective Hole Cleaning
- Innovative Self Cleaning Cutting Structure

Field testing of the enhanced reamer shoe has been conducted over a 12 month period with the major operator and continues to yield success.

DHP Pen-O-Trator reamer shoes have been equipped with this advancement and are available in sizes ranging from 6-5/8" to 20".

About Downhole Products

Downhole Products (DHP) specializes in the design and manufacture of engineered tubular enhancement products for the global upstream oil and gas industries. Since 1994, DHP has been developing and providing downhole solutions aimed at reducing torque and drag and improving casing running and cementing integrity. DHP is a Varel International Energy Services company.

For further information visit: <http://www.downhole.org>

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