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AGE Telescopic Screen Latching M-Packer Running Tool (P2306)

Latching Tool Deployment Advantages

- Over J-latch Screen Running Tools
 - Positive engagement & disengagement - J-Latch running tools have been known to disengage during installation particularly when installed in FRP casing due to the wound nature of the FRP product that imparts rotation on the screen assembly allowing J-Latch to disengage;
 - No requirement to rotate tooling to engage & disengage meaning no risk of damaging screens. J-Latch profiles have been known to bend during engagement & disengagement resulting in screen damage and resultant bore restriction;
 - No need to run drill pipe inside screens to engage with J-Latch sump.

- Over Grab Packer Screen Installation Tools
 - No control lines run with drill pipe allowing faster more efficient deployment of screens and faster subsequent rod pull once disengagement has been completed;
 - Eliminates risk of control line damage resulting in potential screen loss downhole;
 - Can be used with BOP as no control line;
 - Only 1 AGE operator required as there are no control lines to handle and secure to drill pipe;
 - No specialist equipment required for disengagement. Simply pressure up drill pipe to approximately 500psi until string pressure drop is observed;
 - No concern over frictional gripping capacity as latching lugs cannot disengage with added screen of pull back weight;
 - No requirement to monitor packer pressures during installation as pressure is only applied to disengage;
 - No SWL disengagement issue due to hydrostatic head in control line;
 - No concern with drill string rotation to line up rod handling spanner flats as no control line;
 - Substantially less equipment to be transported or freighted as no specialist inflation / deflation equipment required to deploy and retrieve.

- Over LH Back-off Screen Running Tools
 - No requirement to rotate tooling to engage & disengage meaning no risk of damaging screens;
 - Completed bore has internal lead in cone to screens for subsequent tooling deployment meaning minimal wireline (or similar) tooling hang-up risk.



AGE DEVELOPMENTS design, manufacture and operate inflatable packers and associated equipment for:

* GEOTECHNICAL INVESTIGATIONS * PERMEABILITY TESTING * BRIDGE PLUGS

* FRACTURE TESTING * GROUTING WORK * CUSTOM APPLICATIONS * PRESSURE TESTING

Latching Tool Features

- Latch lugs are not effected by screen weight or rig pull back loads and can only be disengaged via pressure actuation on the drill pipe;
- Tool incorporates crossflow wash ports to negate hole swab during deployment;
- Positive surface indication of disengagement:
 - Pressure drop above 500psi once tool shears
 - Commencement of flow once tool shears
- Hole de-mud can commence through the setting tool once disengaged meaning no separate rod trip out and in to de-mud;
- Can be quickly re-set on-site for subsequent screen installation over multiple screen deployments.

AGE Latching M-Packer System			
Screen Nominal Size (In)	Casing Nominal Size (In)	Latching M-Packer Part #	Running Tool Part #
3	5	S1555-009	S1555-003
3	6	S1554-011	S1554-003
4	5	S1555-002	S1555-003
4	6	S1554-010	S1554-003
5	6	S1554-002	S1554-003
5	8	S1550-010	S1550-003
6	8	S1550-002	S1550-003
6	10	S1551-009	S1551-003
8	10	S1551-002	S1551-003
8	12	S1552-010	S1552-003
8	14	S1553-004	S1552-003
10	12	S1552-002	S1552-003
10	14	S1553-002	S1552-003



OPERATING SEQUENCE

1. WELD M-PACKER TO SCREEN ASSEMBLY OVER HOLE.
2. PICK UP TOOL & LATCH INTO M-PACKER BEFORE INSTALLING PRESSURE ACTUATED SHEAR PIN.
3. LOWER ASSEMBLY TO DEPTH ON DRILL PIPE.
4. AT DEPTH, FILL DRILL PIPE WITH WATER OR MUD TO REMOVE ALL AIR FROM DRILL STRING.
5. PRESSURE UP DRILL STRING TO 500psi TO RELEASE TOOL. NOTE: RELEASE EVIDENT BY COMMENCEMENT OF STRING CIRCULATION.
6. PULL OUT OF HOLE.
7. CLEAN & PROTECT RUNNING TOOL.

