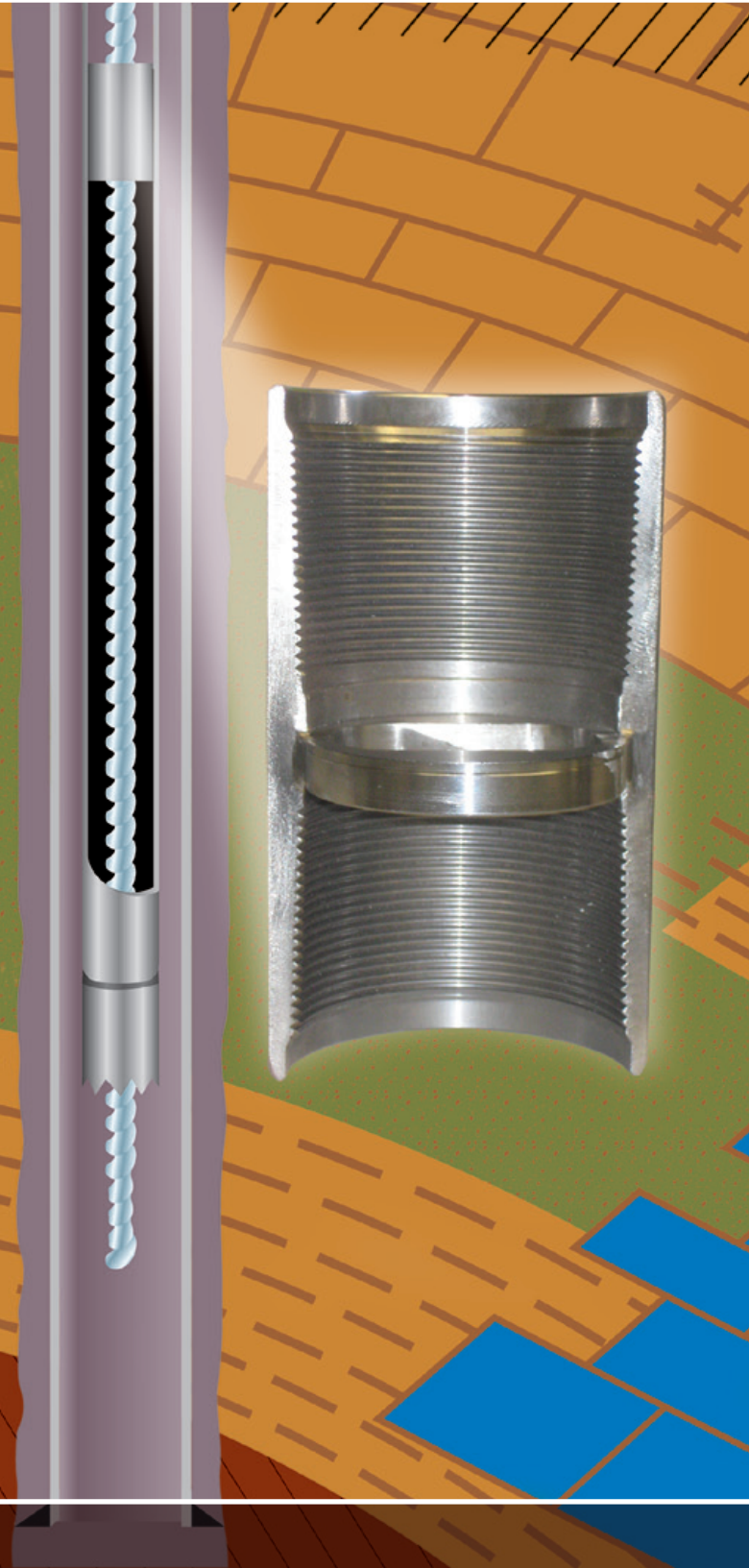


KUDU Top Tag™

Reducing Interventions



Benefits of Top Tag

- Eliminates intake restriction and intake plugging
- Reduces loading, flushing and coiling
- Repairable and reusable

Bringing Solutions to Surface

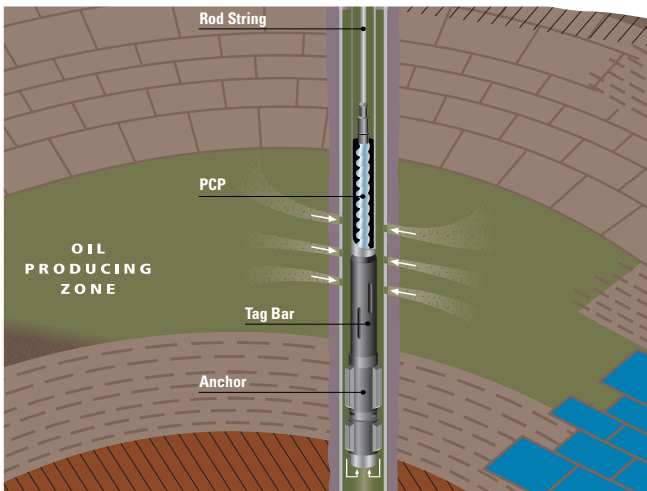


Top Tag™ System

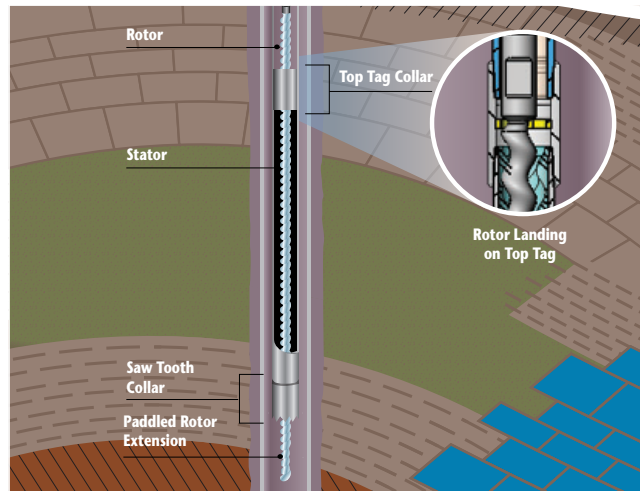
KUDU's patented Top Tag system is the first engineered Progressing Cavity Pump Top Tag allowing the user to locate the rotor inside the stator without using a tag bar. It enables a paddled rotor to directly agitate the fluid within the casing rather than being limited to the fluid entering the tag bar. Top Tag reduces burnt pumps due to plugged pump intake as the rotor continuously clears the stator intake, and reduces rotor breakage as the rotor is never run in compression on the tag bar.

Over 3,000 installs in the Lloydminster area in Alberta, Canada since 2007 confirms Top Tag is great for producing high viscosity and high sand cut wells.

Typical PC Pump Installation



Top Tag Installation



Remove the Tag Bar and Achieve:

- Elimination of restriction and plugging potential.
- Easy access to coil into the annulus and clean out sump.
- Reduced frequency of flushing, loading and coiling interventions.
- Decreased number of burnt pumps.
- Increased fluid agitation with an exposed rotor paddle in the annulus.

The Top Tag Advantage:

- Increase pump run life.
- Improve wellbore agitation.
- Increase fillage and intake access.
- Great for limited sump applications.
- Less jewelry at the bottom.
- Same space out procedure as a tag bar.
- Rotor continuously clears the pump intake.
- No downhole restrictions.

Engineered for Maximum Benefits

INCREASE PUMP RUN LIFE	Exposed rotor in the annulus increases wellbore agitation and gas break out. There is more mixing of sand and oil.
SIMPLIFY TROUBLESHOOTING	Plugged pump intake will not occur when using a Top Tag, making trouble shooting easier.
EQUIPMENT SAVINGS	Reduced cost compared to spring loaded tag bars.
REUSABLE	Can be easily removed and installed on a replacement stator.
REPAIRABLE	If worn, the Top Tag plate can be replaced instead of the entire collar.
REBUILD	Top Tag can be re-threaded if needed.

Canadian Patent: CA 2612326 US Patent: 7,905,714



Contact your local KUDU representative or visit our website to find a distributor near you. All information is considered accurate and up to date at time of printing. KUDU reserves the right to amend the contents of this document at any time. KUDU does not warranty manufacturers claims.

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