



Suprahard Tubulars

Quinn's Oilfield Supply is introducing Suprahard Tubulars in an effort to reduce tubing failures associated with rod on tubing wear.

How many workovers are you doing in a year that is related to rod/tubing wear??..... 10%, 15% or 20% of the time??

Rig costs can easily be \$10,000 per day. A work over to repair a tubing leak can be a 3 day job. If 15 out of 100 workovers are to fix tubing leaks that equates to \$450,000/yr.



What would it mean to your company and you personally if you could reduce these failures by 50% or more?

Suprahard Tubulars are a simple, cost effective product to minimize tubing failures

What it means to you is significant savings from related workover costs

Suprahard Tubulars make sense to save you dollars.



Suprahard Tubulars are successful in reducing tubing wear in today's difficult pumping challenges due to:

1. Side and Drag Load of rods on tubing in Deviated wells.
2. Rod slap just above the pump in Progressive Cavity Pump applications.
3. Rod Buckling in the lower part of the rod string causing rod/tubing wear.

Quinn's process uses their patented Internal Induction Heat treating to harden J55 tubing and pup joints. It hardens only the ID of the tubular, leaving the remaining wall thickness unaffected.

Other competing processes coat the tubing with

- a. A hardening and/or corrosion resistant material that can flake, crack or wear off, exposing the tubing substrate and making it susceptible to localized corrosion.

OR

- b. A plastic like material that reduces the ID of the tubular and therefore restricting the size of pump that can be ran. Risk of plastic wearing off and falling inside pump is also a problem.

The Benefits of Quinn's Suprahard Tubulars are:

- Wear Resistance
An ID case hardness level of 49-58HRC is achieved and penetrates the wall to a depth of 0.010"
- Ductile and Tough
OD of tubing remains in it's original state of 23HRC, keeping the tube flexible and strong
- Corrosion Resistance
Because the wall of the tube is not hardened all the way through, it resists H2S embrittlement.
- Reduce surface friction on ID of tubing
- No risk of damaged coatings

