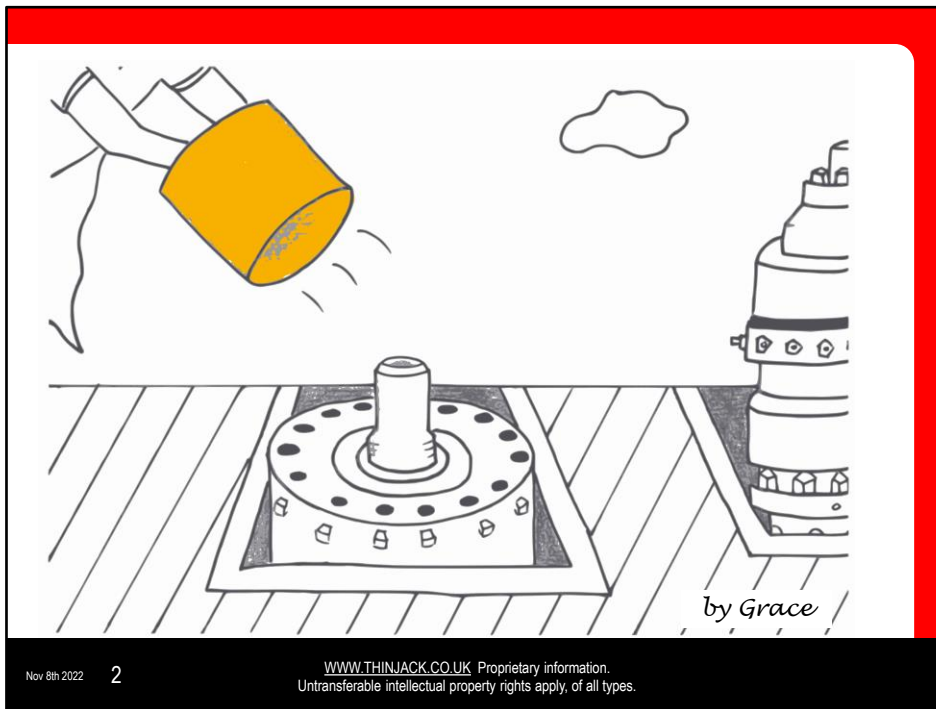


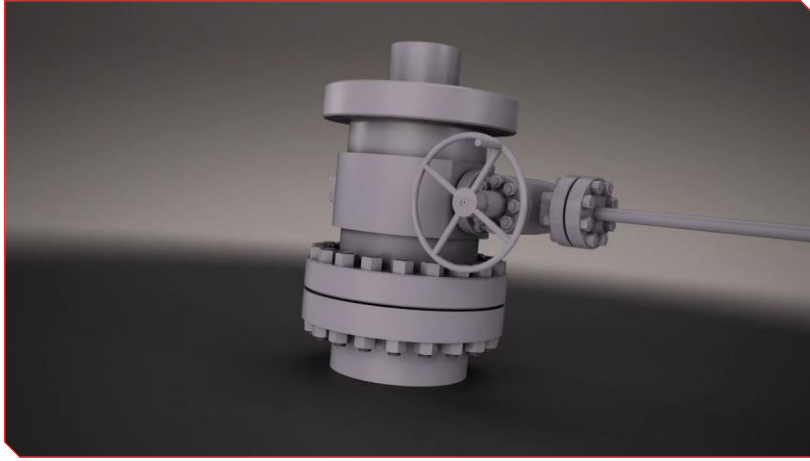
This product was conceived and developed from our experiences of on-site well flange separations since 2007, on 4 continents.

Hangers and well bores need PPE too.

Good afternoon: I'm Guy Bromby, from ThinJack Ltd, a services company in Westhill.



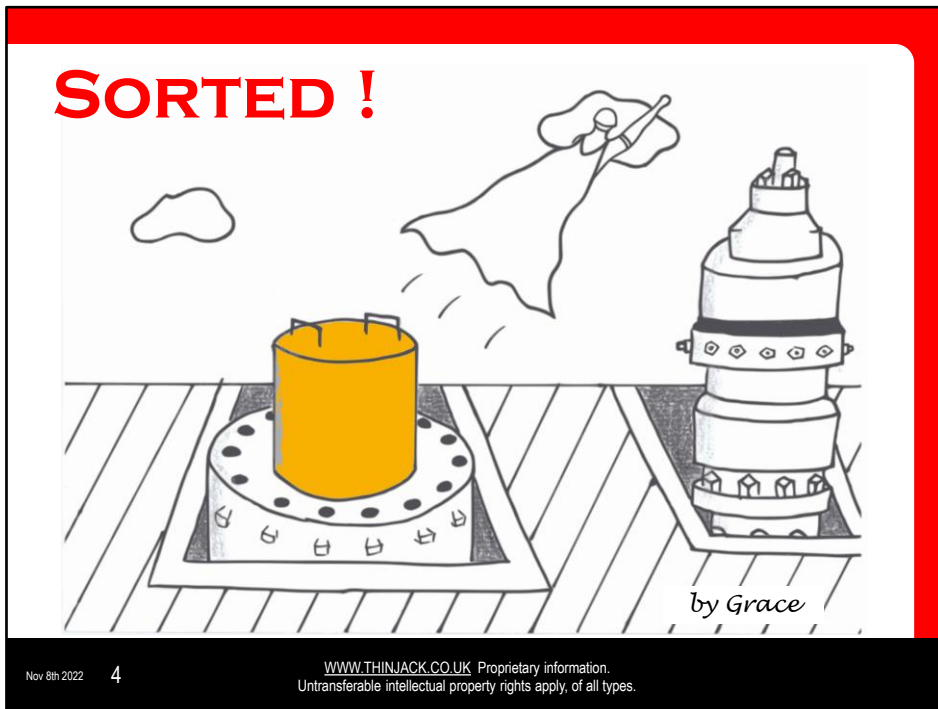
- **People are fearful of consequences and may not admit dropping something into the wellbore.**
- **Without an immediately available cover you may never know: until that dropped hand tool creates another blockage downhole. OR that piece of plastic dropped in your wellbore, ends up in your choke valve.**
- **A modest purchase, and use now, can save you significant costs later.**



[HTTPS://WWW.THINJACK.CO.UK/HOLEGUARD-SUBTITLE](https://www.thinjack.co.uk/holeguard-subtitle)

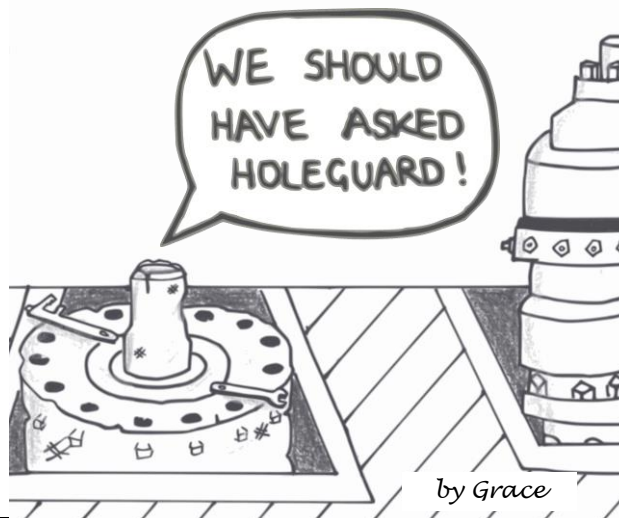
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As you see, we've solved this with a family of guards.

MINIMISING...



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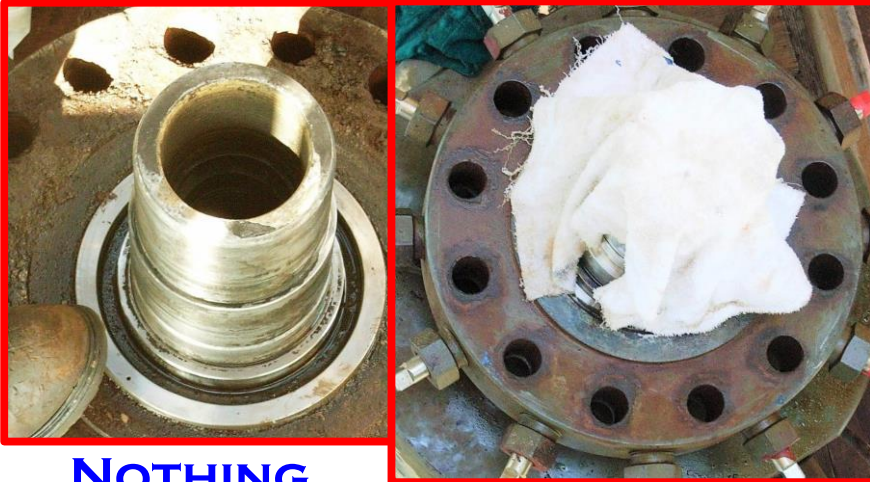
5

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Minimising:

1. Hanger damage.
2. Objects entering the wellbore, with down hole obstruction & multi-trip removal later.
3. Heavier and higher cost devices *as the lighter HoleGuard covers the critical parts.*

REPLACING.....



NOTHING

WORSE THAN NOTHING

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6

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Replacing “Nothing” or “Worse than Nothing”

OR “Something Else” which includes:

1. Ad-hoc wooden structures, whether “perched” on top of the bore or “constructed” around the hanger neck
 2. Coconut mats, rice sacks, rags and strapped tarpaulins. Some with static electricity risk.
- And, in our experience, all on the critical path to find, qualify, make and fit.
3. Thermoplastic or metal buckets which don’t provide a rigidly contained air gap surrounding a hanger neck.
 4. Individual, well by well, design and manufacture of a bespoke cover.
 5. “Unobtainium” solutions.

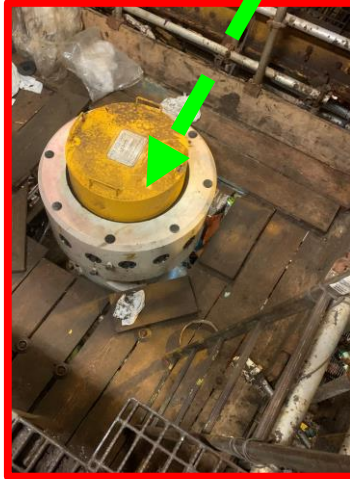
SAVING YOUR WALLET



- If an installed hanger or spool is damaged then, potentially, it is millions to recover the well.
- ... if there is replacement equipment available, remedial work could take 3 months.

So, why is HoleGuard game changing ?

SHEARWATER. MAY 2020 ON. SHELL



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This is one of three guards for protecting flanges at the tree cap, base of XMT and the base of a spool.

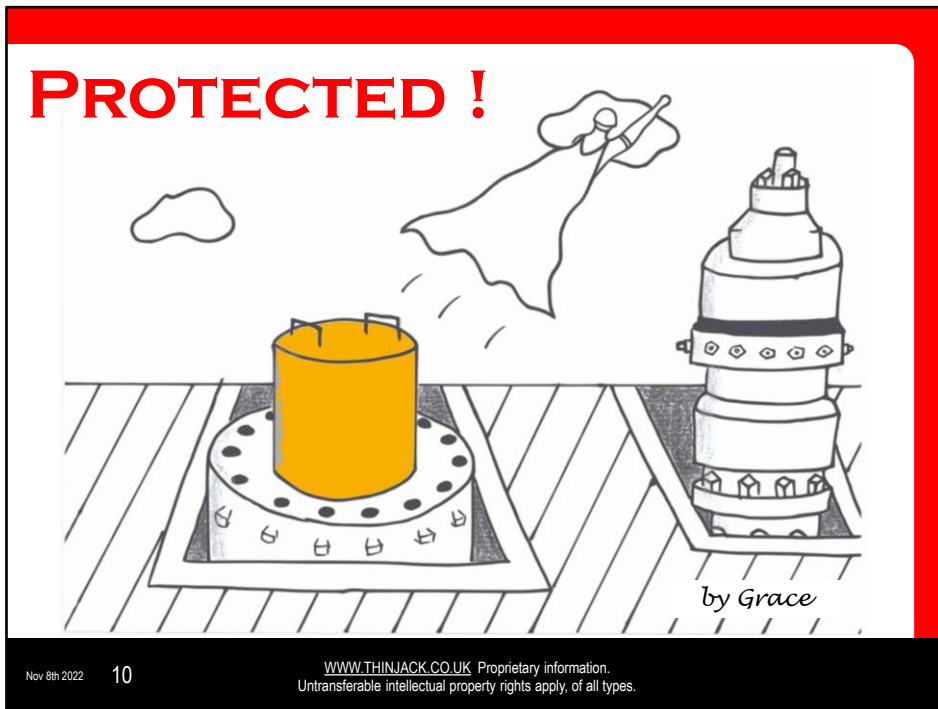
In our work shop: After a flowline flange removal from the tree on Dunlin "A" Well 19



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The flange removed, before placing HoleGuard, used our ThinJack service, with 200 tonnes of controlled force.



- Protected!
- Use it!
- Easy!
- HoleGuard!

Thank you