Cost Effective Plugging Technologies
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Cost Effective Plugging Technologies
are not exclusively about the technology

A. The E&P Sector exists today as a result of technology
   • Access to new basins: deepwater offshore and artic
   • Improved drilling success rates driven by data collection, processing and interpretation
   • E&P developments today are safer, better, faster, and lower cost

B. Technology advancements lead to more technology advancements
   • Horizontal drilling example

C. Efficiency gains accompany technology advancements to provide meaningful industry breakthroughs
   • Drilling, Completion, Production, and P&As
Cost Effective Plugging Technologies are not exclusively about the technology

A. Not every new technology works in *all* applications
   • Coiled tubing drilling

B. Not every new technology *makes sense*
   • Nuclear fracking

C. Not every new technology is *commercially viable*
   • Produced water treatment

D. So why should we expect anything different for P&As?

E. The good news is that P&A technology is derived from drilling, completion, and production technology that will always be seeking safer, better, faster, and lower cost
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**P&A focused technology does exist**

Q: Name one “new” technology exclusive to well P&As

A: Artificial Magma, from 2018 news reports:

*Developed by Interwell Norway, the technique uses thermite – more commonly used in the welding of railway track segments – which simulates the eruption of a volcano, creating artificial magma that fuses infrastructure to the surrounding rock.*

*It’s very hard to say the price right now. It’s a question I’ve been asked a lot recently! We know we aren’t able to compete with traditional onshore requirements consisting of just one plug and eight metres of cement. That is so cheap, we don’t have a chance.*

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Artificial magma: Could it work for sealing offshore wells? (offshore-technology.com)
A. $4.7B being made available to address orphan wells
B. Funds are available for State, Tribal, and Federal wells
C. $20M incentive for states that update their plugging rules
D. “The Department is taking a thoughtful and methodical approach to implementing the orphaned oil and gas well program that aims to get money to states as quickly as possible…”
E. “....while being responsible stewards of taxpayer dollars.”
F. “....We are committed to ensuring states receive investments equitably and based on data-driven needs,” DOI Secretary Haaland.
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Baksheesh

A. If something new for well P&As is good, then the E&Ps should be using it already when drilling, completing or producing, with an exception made for Artificial Magma

B. Field supervision is always wise, regardless of the P&A technology used
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Roundtable Topics

A. Cost Effective Plugging Technologies
B. Good field practices
C. Poor field practices
D. Technical or other best practices for state rule updates
E. Plugging wells with unknown condition
F. Anything else