

And keep you ahead.

FMC Subsea High Capacity 20K Wellhead System Overview









Technology leadership

- Innovative ideas and a deep understanding of the application of technology set us apart
- FMC has remained committed to investing in subsea technology development
 - In-house R&D investments
 - Construction of new technology centers
 - Acquisitions

03/20/2013

- Partnerships & JIPs
- Our development approach uses
 proven processes and best practices
 - New Product Development Stage Gate
 - Engineering Execution Process

UWD HC-20 Subsea Wellhead System



- Extreme HP/HT (20K, 350 F)

FMC Technologies



















































	 Why Operato Increased Casi Starting to hanger ins wall casing 2,000,000 Submudlin Increased Tem Metal Annu Elastomer Working Press Shut-in press Shut-in press Newer field greater that 	rs Are Choosing 20K We ng Capacity (Longer, Heavier Ca see 1,000,000+ Ibs string weigh ide of the wellhead due to indust lbs of casing capacity available i e, 14", and 11"-10 ¾" casing stri perature Rating ulus Seal Assemblies rated for 38 Annulus Seal Assembly (Emerge ure of 20,000 psi essure calculations are indicating 15,000 psi at the wellhead (cons ds have seismic data indicating p in 15,000 psi	ellhead Systems asing Strings Possible) ts for each casing try shift to 14" heavy in each of the 16" ngs 50F ency) rated for 300F g pressures could reach servative) production pressures
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