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Broussard, LA (South Louisiana, GOM)

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Pennsylvania Distribution

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SHAPED CHARGES

ReActive[®] Perforating Technology

Optimized for
Tunnel Cleanup and
Flow Performance



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REACTIVE® PERFORATING

System Size inches	Product Name	Part Number	Shot Density per foot	Phasing degrees	Qualified For Shooting		Explosive Load		Casing Size inches	Entrance Hole inches	Penetration	
					In Fluid	Dry	grams	explosive			inches	test
2	2007 CONNEX®	EC2-20A0722-RC	6	60	<input type="checkbox"/>		6.8	HMX	3 1/2	0.26	Use penetration data for equivalent RaZor™ deep penetrating charge	
2	2007 CONNEX® XLS	EC2-20B0722-RC	6	60	<input type="checkbox"/>	<input type="checkbox"/>	6.5	HMX	3 1/2	0.26		
2 3/4	2715 CONNEX®	EC2-27A1522-RC	6	60	<input type="checkbox"/>		15.0	HMX	4 1/2	0.39		
2 3/4	2715 CONNEX® XEH	EC2-27A1542-RC	6	60	<input type="checkbox"/>		15.0	HMX	4 1/2	0.44		
3 1/8	3323 CONNEX®	EC2-33A2322-RC	6	60	<input type="checkbox"/>		22.7	HMX	4 1/2	0.46		
3 1/8	3323 CONNEX® XEH	EC2-33A2342-RC	6	60	<input type="checkbox"/>		22.7	HMX	4 1/2	0.56		
3 3/8	3323 CONNEX®	EC2-33A2322-RC	6	60	<input type="checkbox"/>	<input type="checkbox"/>	22.7	HMX	4 1/2	0.47		
3 3/8	3325 CONNEX®	EC2-33B2522-RC	6	60	<input type="checkbox"/>		25.0	HMX	4 1/2	0.48		
3 3/8	3325 CONNEX® XEH	EC2-33B2542-RC	6	60	<input type="checkbox"/>		25.0	HMX	4 1/2	0.54		
4	4039 CONNEX®	EC2-40A3922-RC	4	90	<input type="checkbox"/>		39.0	HMX	5 1/2	0.49		
4 1/2	4039 CONNEX®	EC2-40A3922-RC	5	60	<input type="checkbox"/>		39.0	HMX	7	0.46		
4 1/2	3323 CONNEX®	EC2-33A2322-RC	12	135-45	<input type="checkbox"/>		22.7	HMX	7	0.40		
7	4039 CONNEX®	EC2-40A3922-RC	12	135-45	<input type="checkbox"/>		39.0	HMX	9 5/8	0.44		

Nomenclature

CONNEX CONNEX® Perforating Charge

XLS eXtra Low Swell

XEH eXtra Entry Hole

CONNEX® Perforating is rewriting the perforating book by delivering unprecedented tunnel performance without the need for underbalance or expensive and complex cleanup operations.

CONNEX® products generate a secondary reaction in the perforation tunnel thanks to proprietary liner metallurgy and charge design.

The technology was developed under license from QinetiQ with the vision and support of Shell.

CONNEX® Perforating delivers debris free tunnels with no crushed zone, even in low quality rock and with no need for significant underbalance when perforating. Depth of penetration is comparable to leading deep-penetrating charges.

Since the external profiles of CONNEX® charges are identical to conventional products, they can be deployed in existing hardware, following standard operating procedures.

The CONNEX® family of products is the first to be entirely developed and optimized for flow performance, using all natural rock targets.

CONNEX® Perforating products are being deployed by operators all over the world, who report significant productivity and injectivity gains. During stimulation, up to 70% reduction in breakdown pressure, minimal tortuosity, and reduced risk of screenout are just some of the benefits that CONNEX® can deliver.

COMPLETELY CLEAN TUNNEL

FRACTURED TIP



ISO 9001:2000 Certified



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