UltraFlow Multi-Lateral Technology

Black Diamond: Pioneering Efficiency in Multi-Lateral Technology

Discover a new chapter in multi-lateral technology with Black Diamond. Experience a 40% reduction in costs, sparing no aspect of your drilling operation – from casing and directional systems to bits, rigs, cuttings removal, pad

construction, cementing, mud, wellhead installations, pump jacks, flow lines, to even mobilization and demobilization expenses.

Eliminate the need for intervention tools with Black Diamond's technology,

streamlining your operations. Achieve a notable 50% reduction in trip count for dual laterals. Our system excels as the sole solution capable of indexing between laterals, facilitating zipper fracking and drill-out operations without the need for extra components.

Experience true versatility with Black Diamond's multi-lateral technology. Opt for frac plugs or sliding sleeves as per your operational requirements. This adaptability ensures tailored precision in each lateral, providing flexibility without compromising efficiency.

Level 3 Junction Specifications						
Casing Size ¹ (in.)	7	9 5/8	10 ³ ⁄4			
Casing Weight (lb/ft)	23 - 29	40 - 53.5	50.5 - 60.7			
Main Bore ID ² (in.)	4.90	7.25	8.00			
Lateral Hole (in.)	6.125	8.500	8.500, 9.500			
Lateral ID (in.)	3.875	6.184	8.681			
Pressure Rating ³ (psi)	12,000	10,000	10,000			
Tool Composition	L-80, 13% Cr or P-110					
Window Type	Casing Exit					
TAML Level	3 & 4					

¹Other sizes available on request

² ID may vary depending on connecting configuration selected

³ System pressures may vary depending on connecting configuration selected

Hydraulic Release Running Tool Specifications						
Tool Size ¹ (in.)	4 ¹ / ₂	5	7	9 ⁵ ⁄ ₈		
Tensile Load (lbs)	225,000		540,000	1,300,000		
Compressional Strength Rating (lbs)	60,000		100,000	100,000		
Internal/ External Pressure Rating (psi)	7,000					
Torque Rating (lbf-ft)	12,000		40,000	60,000		
Maximum Temperature (°F)	325					

¹Other sizes available on request

Drop Off Mandrel & Tie Back Receptacle Specifications							
Liner Size ¹ (in)	4 ½	5	5 ½	7			
Tool OD (in.)	5.69	5.75	8.25	8.25			
Seal Bore ID (in.)	5.00	5.25	7.38	7.50			
Length (ft)	10-20						
Torque Rating (lbf-ft)	12,000		40,000	60,000			
Tensile Load	As Per Liner						
Tool Composition	As Required						
Internal / External Pressure	As Required						
¹ Other sizes available on request							

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MIDDLE EAST

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