

# Yarmouth Research and Technology

## API 6FB FIRE TEST REPORT

<b>Customer:</b> BlueSky Process Solutions	<b>Date:</b> 2/8/2007
<b>Product Code:</b> 2 inch BPS-101 Clamp Connector	
<b>Project Number:</b> PN20733	
<b>Specification:</b> API 6FB, Third Edition, Nov. 1998	
Non-Bending, On-shore or Open-offshore Test	
<b>Seal Area OD:</b> 2.313	<b>Seal Area ID:</b> 2.061 inches
<b>Mean Seal Diameter:</b> 2.19	inches
<b>Mean Circumference:</b> 6.9	inches
<b>Allowable Leakage:</b> 6.9	ml/min
<b>Nominal Test Pressure:</b> 4688	psig
<b>YRT Technician:</b> Matthew J. Wasielewski, P.E.	
<b>Version of YRT's FIRE-Control 6FB Software:</b> A	
<b>Equipment Confirmed to be in Calibration to NIST Standards:</b> Yes	

### *Burn and Cool Down Test*

<b>Burn Start Time:</b>	<b>15:44:00</b>	
<b>Burn / Cooldown Duration:</b>	<b>40</b>	minutes
<b>Average Pressure During Burn/Cooldown:</b>	<b>4626</b>	psig
<b>Leak Rate During Burn/Cool Down:</b>	<b>0</b>	ml/min
<b>Allowable External Leak Rate:</b>	<b>6.9</b>	ml/min
<b>Amount of Time of Avg. Cal. Block &gt; 1200 deg.:</b>	<b>23.0</b>	minutes
<b>Were Test Conditions Within Compliance?</b>	<b>Yes</b>	
<b>Was the Leakage Below the Allowable?</b>	<b>Yes</b>	

### *Depressurization - Re-pressurization Test*

<b>Average Pressure During Test:</b>	<b>4690</b>	psig
<b>Gasket Leak Rate:</b>	<b>0</b>	ml/min
<b>Allowable External Leak Rate:</b>	<b>6.9</b>	ml/min
<b>Was the Leakage Below the Allowable?</b>	<b>Yes</b>	

<b>Does the Gasket Pass or Fail API 6FB?</b>	<b>PASS</b>
--	-------------

Witnesses

*Matthew J. Wasielewski*

