

# GRABEN AREA EXPORT LINE CHARACTERISTICS



Northern Spurline	
<b>Location</b>	From ETAP to INEOS's Unity Platform
<b>Description</b>	The 24-inch diameter 75 kilometre (km) long Northern Spurline runs from the base of the ETAP export riser via a wye (the connection of the Southern Spurline) located 3 km from ETAP to the base of a riser on the INEOS FPS Unity platform.
<b>Owners</b>	<ul style="list-style-type: none"> <li>• INEOS – 54.303767%</li> <li>• Premier - 4.007696%</li> <li>• Eni - 5.256079%</li> <li>• Shell - 11.520026%</li> <li>• One-Dyas - 0.750000%</li> <li>• Ithaca - 1.56000%</li> <li>• EFOG - 2.15847%</li> <li>• Total - 7.42451%</li> <li>• NEO- 13.020026%</li> </ul>
<b>Export Routes</b>	Export from the Northern Spurline to Forties Pipeline System (FPS) and then oil tanker loading of Forties Blend at Hound Point (Firth of Forth) and raw gas delivery at Kinneil.
<b>Maximum Capacity</b>	Capacity will vary depending on the properties of the commingled liquids and the relative proportions of liquids flowing from ETAP and from the Southern Spurline. The approximate capacity of the Northern Spurline with fluids entering at ETAP is 484 mbpd. If the ETAP rate is reduced below 220 mbpd and the Southern spurline rate is increased above 280 mbpd, the capacity of the Northern spurline will be reduced to below 500 mbpd.
Southern Spurline	
<b>Location</b>	From Elgin/Franklin and Shearwater to the Northern Spurline
<b>Description</b>	The 24-inch diameter 38km long Southern Spurline runs from a SubSea Isolation Valve assembly (SSIV) 250m from the Elgin Platform via a wye (the Southern Spurline wye assembly) located 2km from the SSIV to the wye on the Northern Spurline. A further wye (the Shearwater wye) is located adjacent to the Southern Spurline wye assembly and gives a connection to the Shearwater platform 8km away. The Shearwater wye has a spare leg available to future connections.
<b>Owners</b>	<ul style="list-style-type: none"> <li>• INEOS - 30.500000%</li> <li>• NEO - 3.040625%</li> <li>• Eni - 15.197565%</li> <li>• Premier - 13.42045%</li> <li>• One-Dyas - 1.520313%</li> <li>• Ithaca - 4.2308%</li> <li>• EFOG - 7.228005%</li> <li>• Total - 24.86223%</li> </ul>
<b>Export Routes</b>	Export from the Southern Spurline to the Northern Spurline and then to FPS and Oil tanker loading of Forties Blend at Hound Point (Firth of Forth) and raw gas delivery at Kinneil.
<b>Maximum Capacity</b>	Capacity will vary depending on the properties of the commingled liquids and the relative proportions of liquids flowing through the Northern and Southern Spurlines. The approximate capacity of the Southern Spurline is 416 mbpd.