Corrosion Control International

Onshore & Offshore Corrosion Protection

CCI

OPERATOR: BRITISH PETROLEUM

LOCATION: LOMOND – CATS PLATFORM, NORTH SEA

INSTALLATION METHOD: ROPE ACCESS (NO SCAFFOLDING)

CONTRACTOR: OIS ABERDEEN

PRODUCT: RETROWRAP HD (6.25mm)

HIGH TEMPERATURE 508mm GAS RISER NO. PL780
219mm DIAMETER CONDENSATE RISER NO. PL781

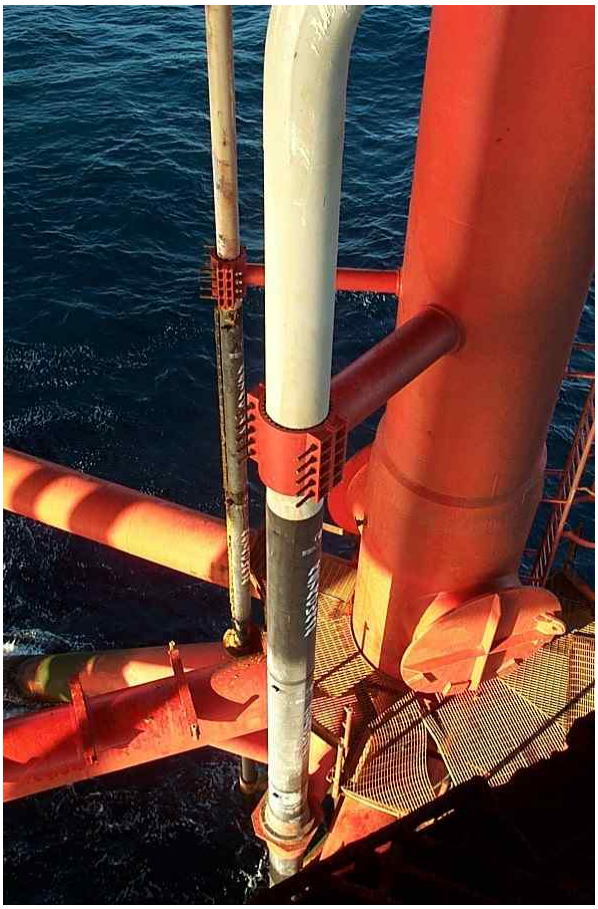
OPERATION: RECLADDING RISERS FROM DEAD WEIGHT SUPPORT FLANGE UPWARDS TO RISER CLAMP APPROXIMATELY 6m EACH RISER

DATE: OCTOBER 2002

(1)

The extent of coating repair both risers from dead weight support flange bottom center and center to underside of riser clamps top center 20” high temperature gas riser in foreground. Note: Fabric lifting lugs for slinging units into position clearly visible.

(2)



(3)

Full-length closure flanges and overlap interconnecting joints clearly visible together with SS 316L bolting system.

(4)

Dual diameter 244/219 transition unit has been lowered onto dead weight support flange. Note: Draw bolts pre fitted into closure flange.

(5)

Dual diameter transition unit fully installed. Factory thermal formed flanges visible at neoprene steel interface. Multi bolts at high stress area.

(6)

(7)

Lifting lugs clearly visible on 244/219 diameter transition unit.

(8)

533/508mm transition unit pre fitted onto existing cutback neoprene riser cladding. Draw bolts in position awaiting tensioning. Note: Inner vertical seal clearly visible together with white high temperature (120° corrosion inhibiting gel).

(9)

Close up showing condition of substrate and the fact that minimum substrate preparation is required prior to installation of Retrowrap units.

(10)

Both risers. Full-length 2794mm partially pre fitted over 219 condensate riser. Lower four draw bolts to be fitted. Note: Coating damage on 20” high temperature riser.

(11)

Full-length 2794mm unit in pre position over sealing skirt of lower unit. Upper end of lower closure flange and lifting lugs visible bottom center.

(12)

Completed interconnecting joint showing thixotropic corrosion inhibiting gel exuding from flange and circumferential joint during final tensioning.

(13)

Pre installed wrap with draw bolts in position awaiting closure by air operated impact wrench. Note: Boots of rope access abseiler.