

Stigerørskader - Skader og hendelser fra Petroleurstilsynets CODAM database

Sist oppdatert: Oktober 2021

Oversikten inneholder skader og hendelser innrapportert til Petroleurstilsynets database CODAM

dimension	medium	object	year	anomaly	cause	severity	status	repair
11	Oil/gas	Riser wall	1975	Leak	External corrosion	Major	Ok	RISER REPLACED FROM FLANGE AT -95' TO +25'. MONEL SECTION INSTALLED. RISER REROUTED.
20	Oil/gas		1976	Clearance	Thermal expansion	Major	Ok	RISER REPLACED. BOTTOM BEND AND SPOOLPIECE REUSED.
24	Oil/gas		1977	Clearance	Thermal expansion	Major	Ok	RISER COLD SPRUNG. LOWER CLAMPS REMOVED. PIPE CUT AT BOTH SIDE OF H/C. SPOOL PIECE AND PUP-PIECES HABITAT
24	Oil/gas	Riser wall	1977	Clearance	Thermal expansion	Major	Ok	PIPE CUT AT BOTH SIDES OF H/C. COLD SPRUNG 53".SPOOL PIECE AND PUP-PICES HABITAT WELDED. 2 HRS. TEST AT 1800
11	Oil/gas	Clamp	1977	Gap	Not reported	Insignificant	Ok	N/A. NO CORROSION OBSERVED. HIGH TEMP CAUSES WATER TO EVAPORATE QUICKLY AND NOT CAUSING CORROSION.
11	Fuel gas	Clamp	1977	Gap	Positioning	Insignificant	Ok	
18	Oil/gas	Clamp	1977	Gap	Clamp position	Insignificant	Ok	
24	Oil	Riser wall	1978	Ground area	Chiselmark	Insignificant	Ok	Chiselmarks smoothed by grinding.
14	Gas	Riser-bend	1979	Clearance	Thermal expansion	Major	Ok	PIPE CUT, RISER COLD SPRUNG. PIPE HABITAT WELDED. WORK FINISHED 19.8.79
26	Gas	Pig-receiver	1979	Other	Overstressed bolts	Major	Ok	REPAIRED
22	Oil/gas		1979	Clearance	Not reported	Insignificant	Monitoring	
22	Oil/gas		1979	Clearance	Unknown	Insignificant	Ok	
22	Oil/gas		1979	Clearance	Unknown	Insignificant	Ok	
20	Oil/gas		1979	Dent	Not reported	Insignificant	Ok	N/A
20	Oil/gas		1979	Dent	Not reported	Insignificant	Ok	Sharp edges ground
24	Oil/gas	Riser wall	1979	Ground Area	Grinding	Insignificant	Ok	Scratchmarks ground during 1980 inspection.
30	Gas	Riser wall	1980	Ground Area	Unknown	Insignificant	Ok	
30	Gas	Riser wall	1980	Ground Area	Unknown	Minor	Ok	N/A
24	Oil	Riser wall	1980	Ground Area	Unknown	Minor	Ok	
24	Oil	Riser wall	1980	Ground Area	Cu-penetration	Minor	Ok	Indication of copper penetration removed by grinding.
24	Oil	Riser wall	1980	Ground Area	Unknown	Minor	Ok	
18	Oil/gas	Riser wall	1980	Intcorr	Pitting corrosion	Insignificant	Ok	
22	Oil/gas	Hydrocouple	1980	Leak	Unknown	Minor	Ok	NOT REQUIRED. DURING NORMAL PRODUCTION PRESSURE THE LEAKAGE WAS STOPPED AND DID NOT REAPPEAR. RESURVEY 5/80 OK.
13	Oil	Riser wall	1980	Intcorr	Unknown	Insignificant	Ok	
24	Oil/gas		1980	Scratch	Not reported	Insignificant	Ok	
18	Oil/gas	Riser wall	1980	Extcorr	Unknown	Insignificant	Ok	N/A
18	Oil/gas	Clamp	1980	Gap	Missing concrete	Insignificant	Ok	
18	Oil/gas	Clamp	1980	Gap	Missing concrete	Insignificant	Ok	
18	Oil/gas		1980	Dent	Unknown	Minor	Monitoring	
24	Oil/gas	Riser wall	1980	Burnmark	Not reported	Insignificant	Ok	None required.
18	Oil/gas	Riser wall	1980	Extcorr	Not reported	Insignificant	Ok	N/A
18	Oil/gas	Riser wall	1980	Intcorr	Not reported	Insignificant	Ok	
18	Oil/gas	Riser wall	1980	Intcorr	Not reported	Insignificant	Ok	
20	Oil/gas	Riser wall	1981	Gouge	Unknown	Insignificant	Ok	
14	Gas	Riser wall	1981	Deflection	Not reported	Insignificant	Ok	
11	Oil/gas	Riser wall	1981	Intcorr	Pitting corrosion	Insignificant	Ok	
36	Gas	Riser wall	1981	Lamination	Fabrication	Insignificant	Ok	RISER IS REPLACED
11	Fuel gas	Riser wall	1981	Crack	Not reported	Insignificant	Ok	Repair found not necessary.

dimension	medium	object	year	anomaly	cause	severity	status	repair
34	Oil	Riser wall	1981	Dent	Unknown	Insignificant	Ok	BY-PASS LOOP INSTALLED. RISER NOT USED.
34	Oil	Riser wall	1981	Dent	Unknown	Insignificant	Ok	BY-PASS LOOP INSTALLED. RISER NOT IN USE.
34	Oil	Riser wall	1981	Ground area	Grinding	Insignificant	Ok	N/A RISER NOT USED. BY-PASS INST 8.91
34	Oil	Riser wall	1981	Scratch	Chafing	Insignificant	Ok	N/A. RISER NOT USED. BY-PASS INST. 8.91
34	Oil	Riser wall	1981	Scratch	Not reported	Insignificant	Ok	Riser not used.
34	Oil	Riser wall	1981	Ground Area	Unknown	Minor	Ok	N/A
36	Gas	Riser wall	1981	Burnmark	Not reported	Insignificant	Ok	N/A
36	Gas	Riser wall	1981	Burnmark	Unknown	Insignificant	Ok	M/A
36	Gas	Riser wall	1981	Burnmark	Unknown	Insignificant	Ok	N/A
36	Gas	Riser wall	1981	Burnmark	Unknown	Minor	Ok	N/A
36	Gas	Riser wall	1981	Lamination	Fabrication	Insignificant	Ok	N/A
36	Gas	Riser wall	1981	Burnmark	Unknown	Major	Ok	PIPESECTION REPLACED BETWEEN FLANGE AT -83' (25,12M) AND WELD 14 ABOVE WATER SUMMER 1984.
24	Oil/gas	Riser wall	1981	Scratch	Fabrication	Insignificant	Ok	
16	Oil/gas		1981	Clearance	Not reported	Insignificant	Ok	
11	Fuel gas		1981	Upheaval buckling	Thermal expansion	Minor	Monitoring	1999: No development.
11	Oil/gas		1981	Scratch	Unknown	Insignificant	Ok	MPI OK. Sharp edges removed.
24	Oil/gas	Riser wall	1981	Extcorr	Pitting corrosion	Insignificant	Ok	
36	Gas	Clamp	1981	Gap	Missing concrete	Insignificant	Ok	Riser replaced
34	Oil	Clamp	1982	Gap	Not reported	Insignificant	Ok	N/A. RISER NOT USED. BY-PASS INST. 8.91
34	Oil	Clamp	1982	Gap	Not reported	Insignificant	Ok	N/A RISER NOT USED. BY-PASS INST. 8.91
36	Gas	Riser wall	1982	Intcorr	Pitting corrosion	Insignificant	Ok	N/A
36	Gas	Riser wall	1982	Intcorr	Pitting corrosion	Minor	Ok	N/A. Intelligent pigging 1987 with no significant findings.
36	Gas	Clamp	1982	Clearance	Not reported	Insignificant	Monitoring	
36	Gas	Riser wall	1982	Lamination	Not reported	Insignificant	Ok	
11	Oil	Riser wall	1982	Intcorr	Pitting corrosion	Insignificant	Ok	
18	Oil/gas	Riser wall	1982	Ground Area	Unknown	Minor	Ok	
36	Gas	Riser wall	1982	Dent	Unknown	Insignificant	Ok	N/A
30	Gas	Riser wall	1982	Ground Area	Unknown	Insignificant	Ok	N/A
24	Oil	Riser wall	1982	Burnmark	Not reported	Insignificant	Ok	Removed by grinding.
30	Gas	Riser wall	1982	Lamination	Fabrication	Insignificant	Ok	
24	GAS	Riser wall	1982	Notch	Unknown	Insignificant	Ok	
24	Oil	Riser wall	1982	Burnmark	Not reported	Insignificant	Ok	Burnmark removed
11	Oil/gas	Riser wall	1982	Crack	Cu-penetration	Major	Ok	PLIDCO CLAMP INSTALLED OVER GROUND AREA
11	Fuel gas	Riser-bend	1982	Extcorr	Pitting corrosion	Insignificant	Ok	
11	Oil/gas	Riser-bend	1982	Extcorr	Pitting corrosion	Insignificant	Ok	
18	Oil/gas	Riser wall	1982	Scratch	Chiselmark	Insignificant	Ok	Sharp edges ground flush.
18	Oil/gas	Riser wall	1982	Ground Area	Grinding	Insignificant	Ok	None
18	Oil/gas	Riser wall	1982	Ground Area	Not reported	Insignificant	Ok	Not required.
18	Oil/gas	Cover	1982	Clearance	Scour	Insignificant	Ok	
16	Oil/gas		1982	Freespan	Scour	Insignificant	Ok	N/A
11	Oil	Riser wall	1982	Intcorr	Unknown	Insignificant	Monitoring	
18	Oil/gas	Clamp	1982	Gap	Not reported	Insignificant	Ok	
24	Gas	Clamp	1982	Gap	Horizontal movement	Insignificant	Ok	
24	GAS	Clamp	1982	Gap	Not reported	Insignificant	Ok	Clamp has been tightened and is no a close fit.
24	GAS	Clamp	1982	Gap	Unknown	Insignificant	Ok	Decommissioned

dimension	medium	object	year	anomaly	cause	severity	status	repair
24	GAS		1982	Dent	Dropped object	Minor	Ok	N/A
30	Gas	Riser wall	1982	Intcorr	Pitting corrosion	Insignificant	Ok	N/A
34	Oil	Riser wall	1982	Intcorr	Not reported	Insignificant	Ok	
36	Gas	Riser wall	1982	Dent	Unknown	Insignificant	Ok	N/A
36	Gas	Riser wall	1982	Dent	Unknown	Insignificant	Ok	N/A
36	Gas	Riser wall	1982	Dent	Unknown	Insignificant	Ok	N/A
36	Gas	Riser wall	1982	Dent	Unknown	Insignificant	Ok	N/A
36	Gas	Riser wall	1982	Lamination	Fabrication	Insignificant	Ok	N/A
36	Gas	Riser wall	1982	Ground Area	Grinding	Minor	Ok	N/A
36	Gas	Riser wall	1982	Ground Area	Unknown	Insignificant	Ok	N/A
36	Gas	Riser wall	1982	Dent	Unknown	Insignificant	Ok	N/A
36	Gas	Riser wall	1982	Dent	Unknown	Insignificant	Ok	N/A
36	Gas	Riser wall	1982	Dent	Unknown	Insignificant	Ok	N/A
36	Gas	Riser wall	1982	Dent	Unknown	Insignificant	Ok	N/A
36	Gas	Riser wall	1982	Dent	Unknown	Insignificant	Ok	N/A
36	Gas	Riser wall	1982	Dent	Unknown	Insignificant	Ok	N/A
36	Gas	Riser wall	1982	Dent	Unknown	Insignificant	Ok	N/A
36	Gas	Riser wall	1982	Burnmark	Not reported	Insignificant	Ok	RISER REPLACED. Ground 1mm off surface.
36	Gas	Riser wall	1982	Burnmark	Unknown	Insignificant	Ok	Ground 1mm off surface.
36	Gas	Riser wall	1982	Burnmark	Not reported	Minor	Ok	RISER REPLACED. Ground to remove sharp edges. Max grinding 6.5mm
36	Gas	Riser wall	1982	Burnmark	Not reported	Insignificant	Ok	RISER REPLACED. Ground to remove sharp edges. Max grinding 5mm.
36	Gas	Riser wall	1982	Ground Area	Unknown	Insignificant	Ok	N/A
11	Oil	Riser wall	1982	Scratch	Unknown	Insignificant	Ok	
11	Oil	Riser wall	1982	Scratch	Unknown	Insignificant	Ok	N/A.
24	Oil	Riser wall	1982	Ground Area	Gouge	Insignificant	Ok	N/A
34	Oil	Riser wall	1982	Burnmark	Not reported	Insignificant	Ok	Riser not in use
34	Oil	Riser wall	1982	Gouge	Unknown	Insignificant	Ok	N/A
34	Oil	Riser wall	1982	Gouge	Unknown	Insignificant	Ok	N/A. RISER NOT USED. BY-PASS INSTALLED 8.91
34	Oil	Riser wall	1982	Gouge	Unknown	Insignificant	Ok	N/A. RISER NOT USED. BY-PASS INST. 8.91
34	Oil	Riser wall	1982	Gouge	Unknown	Insignificant	Ok	N/A. RISER NOT USED. BY-PASS INST. 8.91
34	Oil	Riser wall	1982	Scratch	Unknown	Insignificant	Ok	N/A. RISER NOT USED. BY-PASS INST. 8.91
34	Oil	Riser wall	1982	Ground area	Scratchmark	Insignificant	Ok	Riser not used. Scratchmarks ground smooth.
36	Gas	Riser wall	1982	Dent	Unknown	Insignificant	Ok	N/A
14	Gas	Riser wall	1982	Dent	Unknown	Insignificant	Ok	N/A
13	Oil	Riser wall	1982	Dent	Not reported	Insignificant	Ok	N/A
11	Oil	Riser wall	1982	Crack	Unknown	Insignificant	Ok	Removed by grinding
11	Oil	Riser wall	1982	Crack	Unknown	Insignificant	Ok	Removed by grinding
11	Oil	Riser wall	1982	Crack	Unknown	Insignificant	Ok	Removed by grinding.
11	Oil	Riser wall	1982	Crack	Unknown	Insignificant	Ok	Removed by griding.
22	Oil/gas	Clamp	1982	Gap	Missing concrete	Insignificant	Ok	
36	Gas	Riser wall	1982	Intcorr	Pitting corrosion	Insignificant	Ok	N/A
11	Fuel gas	Riser wall	1982	Crack	Not reported	Insignificant	Ok	Repair found not necessary.
11	Oil	Riser wall	1982	Crack	Unknown	Insignificant	Ok	Removed by grinding.
26	Gas	Clamp	1982	Crack	Unknown	Insignificant	Ok	REMOVED BY GRINDING 3MM INTO BASE MATERIAL.
26	Gas	Clamp	1982	Crack	Unknown	Insignificant	Ok	GROUND 5MM BUT PENETRATES DEEPER. STOP DRILLED

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20	Gas	Clamp	1982	Gap	Not reported	Insignificant	Ok	N/A. RISER REPORTED TO BE FIRMLY SUPPORTED BY CLAMPS IN 1985
20	Oil	Riser-bend	1983	Bare-metal	Unknown	Insignificant	Ok	N/A
20	Oil		1983	Freespan	Scour	Insignificant	Ok	N/A. CONSIDERED SATISFACTORY DURING 1984 INSP.
20	Oil		1983	Freespan	Scour	Insignificant	Ok	N/A 24M LONG DURING 1984 INSP. CONSIDERED SATISFACTORY.
20	Oil		1983	Freespan	Scour	Insignificant	Ok	N/A. REDUCED TO 13M DURING 1984 INSP.
11	Fuel gas	Riser wall	1983	Crack	Not reported	Insignificant	Ok	Repair found not necessary.
24	Oil	Riser wall	1983	Intcorr	Pitting corrosion	Insignificant	Ok	
18	Oil/gas	Riser wall	1983	Intcorr	Not reported	Insignificant	Ok	N/A
11	Oil/gas	Riser wall	1983	Intcorr	Not reported	Insignificant	Ok	
16	Oil/gas	Riser wall	1983	Gouge	Unknown	Minor	Ok	N/A
36	Gas	Riser wall	1983	Lamination	Fabrication	Insignificant	Ok	N/A
36	Gas	Riser wall	1983	Lamination	Fabrication	Insignificant	Ok	N/A
30	Gas	Riser wall	1983	Crack	Unknown	Insignificant	Ok	
18	Oil/gas	Riser wall	1983	Intcorr	Pitting corrosion	Insignificant	Ok	
18	Oil/gas	Riser wall	1983	Intcorr	Pitting corrosion	Insignificant	Ok	
24	Gas	Riser wall	1983	Crack	Unknown	Insignificant	Ok	Removed by grinding 2mm.
36	Gas	Riser wall	1983	Ground area	Grinding	Insignificant	Ok	N/A
34	Oil	Riser wall	1983	Burnmark	Unknown	Insignificant	Ok	Removed by grinding. Riser not used.
18	Oil/gas	Riser wall	1983	Scratch	Chafing	Insignificant	Ok	
13	Gas	Riser wall	1983	Gouge	Unknown	Insignificant	Ok	N/A
13	Gas	Riser wall	1983	Gouge	Unknown	Insignificant	Ok	N/A
36	Gas	Riser wall	1983	Burnmark	Unknown	Insignificant	Ok	N/A
34	Oil	Riser wall	1983	Dent	Fabrication	Insignificant	Ok	BY-PASS LOOP INSTALLED. RISER NOT USED.
36	Gas	Riser wall	1983	Crack	Not reported	Insignificant	Ok	RISER REPLACED
36	Gas	Riser wall	1983	Scratch	Scratchmark	Insignificant	Ok	N/A
30	Gas	Clamp	1983	Gap	Not reported	Insignificant	Ok	N/A
34	Oil	Riser wall	1983	Burnmark	Not reported	Insignificant	Ok	OLD PIPE REPLACED WITH NEW SPOOL
30	Gas	Clamp	1983	Crack	Unknown	Insignificant	Monitoring	
24	GAS	Clamp	1983	Gap	Not reported	Insignificant	Ok	
18	Oil/gas		1983	Scratch	Unknown	Insignificant	Ok	N/A
16	Oil/gas		1983	Freespan	Scour	Insignificant	Ok	N/A
18	Oil/gas	Earthplate	1983	Crack	Unknown	Insignificant	Ok	REMOVED BY LIGHT GRINDING.
24	Oil/gas	Riser wall	1983	Extcorr	Not reported	Insignificant	Ok	
24	Oil/gas	Riser wall	1983	Extcorr	Not reported	Insignificant	Ok	N/A
13	Oil	Riser wall	1983	Intcorr	Not reported	Insignificant	Ok	
11	Oil/gas	Riser wall	1983	Intcorr	Pitting corrosion	Insignificant	Ok	
11	Oil/gas	Riser wall	1983	Other	Fabrication	Insignificant	Ok	REMOVED BY GRINDING. MPI BEFORE AND AFTER GRINDING OK.
24	Oil	Riser wall	1983	Ground Area	Unknown	Minor	Ok	N/A
24	GAS	Riser wall	1983	Burnmark	Unknown	Insignificant	Ok	Burnmark ground.
24	GAS	Riser wall	1983	Burnmark	Unknown	Insignificant	Ok	Burnmark ground.
30	Gas	Riser wall	1983	Ground Area	Crack	Minor	Ok	Cracks and undercuts ground.
30	Gas	Riser wall	1983	Ground Area	Crack	Minor	Ok	Cracks and undercuts ground.
30	Gas	Riser wall	1983	Dent	Fabrication	Insignificant	Ok	None required.
30	Gas	Riser wall	1983	Dent	Unknown	Insignificant	Ok	None required.
30	Gas	Riser wall	1983	Crack	Unknown	Insignificant	Ok	Repaired by grinding.
24	Oil/gas	Riser wall	1983	Burnmark	Arcing	Insignificant	Ok	Removed by grinding.
11	Oil	Riser wall	1983	Scratch	Chafing	Insignificant	Ok	NONE REQUIRED

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11	Oil	Riser wall	1983	Crack	Unknown	Insignificant	Ok	Removed by slight grinding.
13	Oil		1983	Clearance	Unknown	Insignificant	Ok	Clearance at 12 o'clock
24	Oil/gas	Riser wall	1983	Extcorr	Pitting corrosion	Insignificant	Ok	Area sandblasted and recoated.
11	Oil	Riser wall	1983	Crack	Unknown	Insignificant	Ok	Crack indications removed by grinding.
36	Gas	Riser wall	1983	Intcorr	Not reported	Insignificant	Ok	N/A
36	Gas	Riser wall	1984	Intcorr	Not reported	Minor	Ok	
36	Gas	Riser wall	1984	Intcorr	Not reported	Insignificant	Ok	
36	Gas	Riser wall	1984	Intcorr	Not reported	Insignificant	Ok	
36	Gas	Riser wall	1984	Intcorr	Pitting corrosion	Insignificant	Ok	
36	Gas	Steelcasing	1984	Crack	Not reported	Insignificant	Ok	1987:CRACKS REMOVED BY GRINDING 2MM INTO WELD
36	Gas	Steelcasing	1984	Extcorr	Not reported	Minor	Ok	AREA GROUND 1987. COMMUNICATIONS TO ANNULUS RISER/SC AT 4 AND 10 O'CLOCK SEALED OFF. THICK LAYER OF COMPOUND APPLIED
13	Oil	Riser wall	1984	Extcorr	Pitting corrosion	Insignificant	Ok	
34	Oil	Riser wall	1984	Ground Area	Unknown	Insignificant	Ok	
34	Oil	Riser wall	1984	Ground Area	Unknown	Insignificant	Ok	
34	Oil	Riser wall	1984	Ground Area	Unknown	Insignificant	Ok	
34	Oil	Riser wall	1984	Ground area	Grinding	Insignificant	Ok	BY-PASS LOOP INSTALLED. RISER NOT IN USE.
30	Gas	Riser wall	1984	Ground Area	Unknown	Insignificant	Ok	N/A
30	Gas	Riser wall	1984	Crack	Unknown	Minor	Ok	
24	Oil	Riser wall	1984	Scratch	Unknown	Insignificant	Ok	
24	Oil	Riser wall	1984	Ground Area	Unknown	Insignificant	Ok	
30	Gas	Riser wall	1984	Ground Area	Unknown	Insignificant	Ok	N/A
30	Gas	Riser wall	1984	Scratch	Unknown	Insignificant	Ok	
30	Gas	Riser wall	1984	Gouge	Unknown	Insignificant	Ok	N/A
30	Gas	Riser wall	1984	Gouge	Unknown	Insignificant	Ok	N/A
30	Gas	Riser wall	1984	Gouge	Unknown	Insignificant	Ok	Sharp edges removed by grinding.
30	Gas	Riser wall	1984	Gouge	Unknown	Insignificant	Ok	Sharp edges removed by grinding.
30	Gas	Riser wall	1984	Bulge	Fabrication	Insignificant	Ok	None required
18	Oil/gas	Riser wall	1984	Ground Area	Scratchmark	Minor	Ok	N/A
24	Gas	Riser wall	1984	Gouge	Unknown	Insignificant	Ok	N/A
24	Gas	Riser wall	1984	Gouge	Unknown	Insignificant	Ok	N/A
24	Gas	Riser wall	1984	Ground Area	Unknown	Insignificant	Ok	N/A
18	Oil/gas	Riser wall	1984	Scratch	Unknown	Insignificant	Ok	N/A
18	Oil/gas	Riser wall	1984	Scratch	Unknown	Insignificant	Ok	
18	Oil/gas	Riser wall	1984	Burnmark	Arcing	Insignificant	Ok	N/A
11	Oil/gas	Riser wall	1984	Extcorr	Unknown	Insignificant	Ok	SANDBLASTED AND REPAINTED 1986
11	Oil/gas	Clamp	1984	Deflection	Weather	Insignificant	Ok	
11	Oil/gas	Anode	1984	Crack	Lack of fusion	Insignificant	Ok	MPI OK. EARTH PLATES NOT USED AND RECOMMENDED
18	Oil/gas	Riser wall	1984	Scratch	Not reported	Insignificant	Ok	1985: Sharp edges ground.
18	Oil/gas	Riser wall	1984	Scratch	Not reported	Insignificant	Ok	1985: Sharp edges ground.
18	Oil/gas	Riser wall	1984	Scratch	Not reported	Insignificant	Ok	1985: Sharp edges ground.
18	Oil/gas	Riser wall	1984	Scratch	Not reported	Insignificant	Ok	1985: Sharp edges gorund.
13	Oil	Riser wall	1984	Intcorr	Not reported	Insignificant	Ok	
13	Oil	Riser wall	1984	Intcorr	Not reported	Insignificant	Ok	
13	Oil		1984	Clearance	Not reported	Insignificant	Monitoring	
22	Oil/gas	Riser wall	1984	Intcorr	Pitting corrosion	Insignificant	Ok	None.
22	Oil/gas	Riser wall	1984	Intcorr	Pitting corrosion	Insignificant	Ok	None.

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22	Oil/gas	Riser wall	1984	Intcorr	Pitting corrosion	Insignificant	Ok	None.
22	Oil/gas	Riser wall	1984	Intcorr	Pitting corrosion	Insignificant	Ok	None
22	Oil/gas	Riser wall	1984	Intcorr	Pitting corrosion	Insignificant	Ok	None.
18	Oil/gas	Clamp	1984	Gap	Not reported	Insignificant	Ok	
18	Oil/gas	Clamp	1984	Gap	Loose bolts	Insignificant	Ok	ALL BOLTS TIGHTENED WITH FLOGGING SPANNER. SH-111-88,23.8.88
18	Oil/gas	Riser wall	1984	Undercut	Welding defect	Insignificant	Ok	SHARP EDGES REMOVED
18	Oil/gas	Riser wall	1984	Intcorr	Not reported	Insignificant	Ok	N/A
24	Gas		1984	Scratch	Unknown	Insignificant	Ok	REMOVED BY GRINDING.
18	Oil/gas	Steelcasing	1984	Extcorr	Inadequate protection	Insignificant	Ok	Sandblasted and repainted 1986.
18	Oil/gas	Riser-bend	1984	Clearance	Unknown	Insignificant	Ok	
18	Oil/gas	Riser wall	1984	Intcorr	Unknown	Insignificant	Ok	
18	Oil/gas	Earthplate	1984	Undercut	Welding defect	Insignificant	Ok	SHARP EDGES GROUND.
24	GAS	Clamp	1984	Gap	Not reported	Insignificant	Ok	Rubber inserts in place.
30	Gas	Clamp	1984	Crack	Unknown	Insignificant	Ok	Removed by grinding.
30	Gas	Clamp	1984	Gap	Not reported	Insignificant	Ok	
30	Gas	Clamp	1984	Gap	Not reported	Insignificant	Ok	N/A
34	Oil	Clamp	1984	Gap	Missing concrete	Insignificant	Ok	CLAMP REPLACED 1990.
34	Oil	Clamp	1984	Gap	Concrete outfall	Minor	Ok	New clamp installed.
18	Oil/gas	Riser wall	1984	Crack	Unknown	Minor	Ok	Removed by grinding.
36	Gas	Riser wall	1984	Gouge	Not reported	Insignificant	Ok	RISER REPLACED
36	Gas	Riser wall	1984	Ground area	Not reported	Insignificant	Ok	RISER REPLACED
11	Oil	Riser wall	1984	Ground Area	Unknown	Insignificant	Ok	N/A
11	Oil	Riser wall	1984	Gouge	Unknown	Insignificant	Ok	N/A
11	Oil	Riser wall	1984	Ground Area	Unknown	Insignificant	Ok	N/A
11	Oil	Riser wall	1984	Scratch	Unknown	Insignificant	Ok	N/A
18	Oil/gas	Riser wall	1984	Ground Area	Unknown	Minor	Ok	N/A
34	Oil	Riser wall	1984	Ground area	Crack	Minor	Ok	RISER NOT USED. BY-PASS INST. 8.91
36	Gas	Riser wall	1984	Gouge	Not reported	Insignificant	Ok	RISER IS REPLACED
34	Oil	Riser wall	1984	Gouge	Unknown	Insignificant	Ok	BY-PASS LOOP INSTALLED. RISER NOT USED.
13	Oil	Riser wall	1984	Other	Fabrication	Insignificant	Ok	N/A
14	Gas	Riser wall	1984	Ground Area	Not reported	Insignificant	Ok	Removed by grinding.
16	Oil/gas	Riser wall	1984	Burnmark	Unknown	Insignificant	Ok	N/A
13	Oil	Riser wall	1984	Scratch	Unknown	Insignificant	Ok	Sharp edges removed by grinding.
18	Oil/gas	Riser wall	1984	Lamination	Not reported	Insignificant	Ok	None.
18	Oil/gas	Riser wall	1984	Lamination	Not reported	Insignificant	Ok	None.
18	Oil/gas	Riser wall	1984	Lamination	Not reported	Insignificant	Ok	None.
18	Oil/gas	Riser wall	1984	Notch	Not reported	Insignificant	Ok	None.
18	Oil/gas	Riser wall	1984	Lamination	Not reported	Insignificant	Ok	None.
18	Oil/gas	Riser wall	1984	Lamination	Not reported	Insignificant	Ok	None.
18	Oil/gas	Riser wall	1984	Lamination	Not reported	Insignificant	Ok	None.
11	Fuel gas	Riser wall	1984	Undercut	Not reported	Insignificant	Ok	Repair found not necessary.
36	Gas	Riser wall	1984	Crack	Unknown	Insignificant	Ok	Riser replaced. Approx. 150mm of weld was removed by grinding before crack disappeared. Groove rewelded.
22	Oil/gas	Riser wall	1984	Crack	Not reported	Insignificant	Ok	
24	Oil	Riser wall	1984	Crack	Unknown	Insignificant	Ok	Removed by grinding
24	Oil	Riser wall	1984	Crack	Unknown	Insignificant	Ok	
18	Oil/gas	Riser wall	1984	Undercut	Fabrication	Insignificant	Ok	N/A

dimension	medium	object	year	anomaly	cause	severity	status	repair
24	Gas	Riser wall	1984	Crack	Unknown	Insignificant	Ok	Removed by grinding.
24	Gas	Riser wall	1984	Crack	Unknown	Insignificant	Ok	Removed by grinding.
24	Gas	Riser wall	1984	Crack	Unknown	Insignificant	Ok	Removed by grinding.
36	Gas	Riser wall	1984	Crack	Unknown	Insignificant	Ok	Removed by grinding.
18	Oil/gas	Riser wall	1984	Crack	Unknown	Insignificant	Ok	
24	Gas	Riser wall	1984	Crack	Unknown	Insignificant	Ok	
16	Oil/gas	Riser wall	1984	Crack	Not reported	Insignificant	Ok	Removed by grinding 0.5mm.
16	Oil/gas	Riser wall	1984	Crack	Not reported	Insignificant	Ok	Removed by grinding 0.5mm.
16	Oil/gas	Riser wall	1984	Crack	Not reported	Insignificant	Ok	Removed by grinding 0.5mm.
16	Oil/gas	Riser wall	1984	Crack	Not reported	Insignificant	Ok	Removed by grinding 0.5mm.
24	Oil/gas	Riser wall	1984	Crack	Not reported	Insignificant	Ok	
16	Oil/gas	Riser wall	1984	Crack	Not reported	Insignificant	Ok	Removed by grinding 0.5mm
18	Oil/gas	Riser wall	1984	Intcorr	Pitting corrosion	Insignificant	Ok	
11	Fuel gas	Riser wall	1984	Intcorr	Unknown	Insignificant	Ok	No further action required.
30	Gas	Riser wall	1984	Crack	Unknown	Insignificant	Ok	Ground
30	Gas	Riser wall	1984	Crack	Unknown	Insignificant	Ok	
30	Gas	Riser wall	1984	Crack	Unknown	Minor	Ok	
30	Gas	Riser wall	1984	Crack	Unknown	Insignificant	Ok	Removed by grinding.
30	Gas	Riser wall	1984	Crack	Unknown	Insignificant	Ok	Ground.
30	Gas	Riser wall	1984	Crack	Unknown	Insignificant	Ok	Removed by grinding.
18	Oil/gas	Riser wall	1984	Crack	Unknown	Insignificant	Ok	Repaired
34	Oil	Riser wall	1984	Ground Area	Crack	Insignificant	Ok	Removed by grinding. Riser not in use.
11	Fuel gas	Riser wall	1984	Dent	Unknown	Insignificant	Ok	
11	Oil/gas	Riser wall	1984	Gouge	Unknown	Insignificant	Ok	N/A
11	Oil/gas	Riser wall	1984	Gouge	Unknown	Insignificant	Ok	N/A
11	Oil/gas	Riser wall	1984	Gouge	Unknown	Insignificant	Ok	N/A
11	Fuel gas	Riser wall	1984	Dent	Unknown	Insignificant	Ok	
34	Oil	Riser wall	1984	Intcorr	Unknown	Insignificant	Ok	Riser by-passed.
18	Oil/gas	Riser wall	1984	Intcorr	Not reported	Insignificant	Ok	N/A
18	Oil/gas	Riser wall	1984	Intcorr	Not reported	Insignificant	Ok	N/A
30	Gas	Riser wall	1984	Lamination	Fabrication	Insignificant	Ok	N/A
22	Oil/gas	Riser wall	1984	Intcorr	Pitting corrosion	Minor	Ok	None.
18	Oil/gas	Riser wall	1984	Crack	Not reported	Insignificant	Ok	Ground
18	Oil/gas	Riser wall	1984	Crack	Not reported	Insignificant	Ok	
18	Oil/gas	Riser wall	1984	Crack	Not reported	Insignificant	Ok	Ground
22	Oil/gas	Riser wall	1984	Crack	Not reported	Minor	Ok	Removed by grinding 4 mm into pipe material.
11	Fuel gas	Riser wall	1984	Crack	Unknown	Insignificant	Ok	
11	Fuel gas	Riser wall	1984	Crack	Unknown	Insignificant	Ok	N/A
11	Fuel gas	Riser wall	1984	Crack	Unknown	Insignificant	Ok	
18	Oil/gas	Riser wall	1984	Undercut	Not reported	Insignificant	Ok	None
18	Oil/gas	Riser wall	1984	Undercut	Not reported	Insignificant	Ok	
11	Fuel gas	Hydrocouple	1984	Leak	Unknown	Major	Ok	Repaired.
20	Gas	Coating	1984	Bare-metal	Unknown	Insignificant	Ok	N/A
20	Oil	Coating	1984	Coating	Unknown	Insignificant	Ok	N/A
20	Oil	Coating	1984	Coating	Missing	Insignificant	Ok	N/A
20	Gas		1984	Freespan	Scour	Minor	Ok	N/A. NATURAL BUILD-UP. SPAN REDUCED TO 28M IN 1985. 1987: 13M LONG.

dimension	medium	object	year	anomaly	cause	severity	status	repair
20	Oil		1984	Freespan	Scour	Minor	Ok	N/A. NATURAL BUILD-UP HAS PROVIDED ADEQUATE LATERAL SUPPORT
20	Oil		1984	Freespan	Scour	Minor	Ok	N/A NATURAL BUILD REDUCED SPAN TO 28M IN 1985 AND 13M IN
24	GAS	Riser wall	1984	Notch	Not reported	Insignificant	Ok	
36	Gas	Riser wall	1985	Intcorr	Unknown	Insignificant	Ok	N/A
36	Gas	Riser wall	1985	Intcorr	Not reported	Insignificant	Ok	N/A
36	Gas	Clamp	1985	Gap	Unknown	Insignificant	Ok	WEDGES INSTALLED 1986
36	Gas	Clamp	1985	Gap	Unknown	Insignificant	Ok	WOODEN WEDGES INSTALLED 1986.
28	Gas	Clamp	1985	Gap	Unknown	Insignificant	Ok	WOODEN WEDGES INSTALLED 1986
11	Oil/gas	Riser wall	1985	Ground area	Unknown	Insignificant	Ok	N/A
14	Gas	Riser wall	1985	Ground Area	Not reported	Insignificant	Ok	
11	Oil/gas	Riser wall	1985	Gouge	Unknown	Insignificant	Ok	N/A
11	Oil/gas	Riser wall	1985	Gouge	Unknown	Insignificant	Ok	N/A
14	Gas	Riser wall	1985	Ground Area	Not reported	Insignificant	Ok	N/A
20	Oil/gas	Riser wall	1985	Ground Area	Unknown	Insignificant	Ok	
20	Oil/gas	Riser wall	1985	Ground Area	Unknown	Insignificant	Ok	N/A
20	Oil/gas	Riser wall	1985	Ground Area	Unknown	Insignificant	Ok	N/A
20	Oil/gas	Riser wall	1985	Ground area	Unknown	Insignificant	Ok	
24	Oil	Riser wall	1985	Crack	Unknown	Insignificant	Ok	Ground.
24	Oil	Riser wall	1985	Crack	Unknown	Insignificant	Ok	Ground.
30	Gas	Riser wall	1985	Crack	Unknown	Insignificant	Ok	
34	Oil	Clamp	1985	Gap	Missing concrete	Insignificant	Ok	
36	Gas	Riser wall	1985	Crack	Unknown	Insignificant	Ok	Ground.
11	Fuel gas	Riser wall	1985	Crack	Unknown	Insignificant	Ok	Removed by grinding 10mm long and 3 mm deep.
11	Fuel gas	Riser wall	1985	Crack	Unknown	Insignificant	Ok	Removed by grinding 10mm long and 3mm deep.
18	Oil/gas	Riser wall	1985	Crack	Not reported	Insignificant	Ok	Cracks removed by grinding 1.5mm and one plate removed.
24	GAS	Riser wall	1985	Crack	Unknown	Insignificant	Ok	Ground out
34	Oil	Riser wall	1985	Crack	Unknown	Insignificant	Ok	
34	Oil	Riser wall	1985	Crack	Unknown	Insignificant	Ok	Riser not used.
14	Gas	Riser wall	1985	Crack	Unknown	Insignificant	Ok	Removed by grinding.
14	Gas	Riser wall	1985	Crack	Unknown	Insignificant	Ok	Removed by grinding.
14	Gas	Riser wall	1985	Crack	Unknown	Insignificant	Ok	Removed by grinding.
14	Gas	Riser wall	1985	Crack	Unknown	Insignificant	Ok	Removed by grinding.
14	Gas	Riser wall	1985	Crack	Unknown	Insignificant	Ok	Removed by grinding
16	Oil/gas	Riser wall	1985	Crack	Not reported	Insignificant	Ok	N/A
22	Oil/gas	Riser wall	1985	Crack	Cu-penetration	Insignificant	Ok	Cracks removed by grinding.
20	Oil/gas	Riser wall	1985	Ground Area	Unknown	Insignificant	Ok	N/A
20	Oil/gas	Riser wall	1985	Ground Area	Unknown	Insignificant	Ok	N/A
20	Oil/gas	Riser wall	1985	Ground Area	Unknown	Insignificant	Ok	N/A
20	Oil/gas	Riser wall	1985	Ground Area	Unknown	Insignificant	Ok	N/A
20	Oil/gas	Riser wall	1985	Scratch	Scoremark	Insignificant	Ok	
11	Fuel gas	Riser wall	1985	Dent	Unknown	Insignificant	Ok	
13	Oil	Riser wall	1985	Ground Area	Not reported	Insignificant	Ok	N/A
14	Gas	Riser wall	1985	Ground Area	Not reported	Insignificant	Ok	N/A
14	Gas	Riser wall	1985	Ground Area	Not reported	Minor	Ok	N/A
14	Gas	Riser wall	1985	Gouge	Unknown	Insignificant	Ok	N/A
14	Gas	Riser wall	1985	Ground Area	Unknown	Insignificant	Ok	N/A

dimension	medium	object	year	anomaly	cause	severity	status	repair
14	Gas	Riser wall	1985	Ground Area	Not reported	Insignificant	Ok	
24	Oil/gas	Riser wall	1985	Ground Area	Unknown	Insignificant	Ok	
34	Oil	Riser wall	1985	Ground Area	Unknown	Insignificant	Ok	N/A
34	Oil	Riser wall	1985	Gouge	Unknown	Insignificant	Ok	
34	Oil	Riser wall	1985	Ground Area	Burnmark	Insignificant	Ok	
34	Oil	Riser wall	1985	Ground Area	Burnmark	Insignificant	Ok	Riser not in use.
34	Oil	Riser wall	1985	Ground Area	Unknown	Insignificant	Ok	
34	Oil	Riser wall	1985	Scratch	Not reported	Insignificant	Ok	Riser not used.
11	Oil	Riser wall	1985	Ground Area	Unknown	Insignificant	Ok	
11	Oil	Riser wall	1985	Ground Area	Unknown	Insignificant	Ok	
13	Gas	Riser wall	1985	Ground Area	Unknown	Insignificant	Ok	
11	Oil	Riser wall	1985	Gouge	Unknown	Insignificant	Ok	
11	Oil	Riser wall	1985	Scratch	Unknown	Insignificant	Ok	
13	Gas	Riser wall	1985	Burnmark	Arcing	Insignificant	Ok	
11	Oil	Riser wall	1985	Scratch	Unknown	Insignificant	Ok	
11	Oil	Riser wall	1985	Gouge	Unknown	Insignificant	Ok	
36	Gas	Riser wall	1985	Ground area	Not reported	Insignificant	Ok	RISER REPLACED.
36	Gas	Riser wall	1985	Ground area	Not reported	Insignificant	Ok	RISER REPLACED.
36	Gas	Riser wall	1985	Ground area	Not reported	Insignificant	Ok	RISER REPLACED
36	Gas	Riser wall	1985	Ground area	Not reported	Insignificant	Ok	RISER IS REPLACED
34	Oil	Riser wall	1985	Ground area	Grinding	Insignificant	Ok	BY-PASS LOOP INSTALLED. RISER NOT USED.
36	Gas	Riser wall	1985	Lamination	Fabrication	Insignificant	Ok	N/A
36	Gas	Riser wall	1985	Dent	Unknown	Insignificant	Ok	N/A
36	Gas	Riser wall	1985	Ground area	Unknown	Insignificant	Ok	N/A
36	Gas	Riser wall	1985	Ground area	Unknown	Insignificant	Ok	N/A
36	Gas	Riser wall	1985	Ground area	Unknown	Insignificant	Ok	N/A
36	Gas	Riser wall	1985	Ground area	Unknown	Insignificant	Ok	N/A
34	Oil	Riser wall	1985	Intcorr	Not reported	Minor	Ok	Riser decommissioned.
24	Oil/gas	Riser wall	1985	Scratch	Not reported	Insignificant	Ok	
24	Oil/gas		1985	Scratch	Not reported	Insignificant	Ok	
11	Oil	Clamp	1985	Gap	Not reported	Insignificant	Ok	
11	Oil	Clamp	1985	Gap	Not reported	Insignificant	Ok	
11	Oil	Clamp	1985	Gap	Not reported	Insignificant	Ok	
11	Oil	Clamp	1985	Gap	Not reported	Insignificant	Ok	
16	Oil/gas		1985	Freespan	Scour	Insignificant	Ok	N/A
16	Oil/gas	Clamp	1985	Gap	Missing concrete	Insignificant	Ok	
16	Oil/gas	Clamp	1985	Gap	Not reported	Insignificant	Ok	
16	Oil/gas	Clamp	1985	Gap	Missing concrete	Insignificant	Ok	
16	Oil/gas	Clamp	1985	Gap	Missing concrete	Insignificant	Ok	
16	Oil/gas	Riser wall	1985	Intcorr	Not reported	Minor	Ok	
11	Fuel gas	Cover	1985	Clearance	Scour	Insignificant	Ok	
11	Fuel gas	Cover	1985	Clearance	Scour	Insignificant	Ok	
18	Oil/gas	Riser wall	1985	Intcorr	Pitting corrosion	Insignificant	Ok	
11	Oil/gas	Riser-bend	1985	Other	Unknown	Insignificant	Ok	GROUND SMOOTH. NO CORROSION.
24	Gas	Riser wall	1985	Ground Area	Unknown	Minor	Ok	
24	Gas	Riser wall	1985	Ground Area	Unknown	Insignificant	Ok	
18	Oil/gas	Riser wall	1985	Scratch	Unknown	Insignificant	Ok	Ground 1983 but still visible. Recheck 1984: no sharp edges.
18	Oil/gas	Riser wall	1985	Notch	Unknown	Insignificant	Ok	N/A

dimension	medium	object	year	anomaly	cause	severity	status	repair
24	GAS	Riser wall	1985	Notch	Unknown	Insignificant	Ok	Decommissioned
24	GAS	Riser wall	1985	Notch	Unknown	Insignificant	Ok	N/A. Decommissioned
24	Oil	Riser wall	1985	Gouge	Unknown	Minor	Ok	
24	Oil	Riser wall	1985	Ground Area	Unknown	Insignificant	Ok	N/A
13	Gas	Riser wall	1985	Extcorr	Pitting corrosion	Insignificant	Ok	Area sandblasted.
24	Oil/gas	Riser wall	1985	Scratch	Unknown	Insignificant	Ok	
13	Oil	Riser wall	1985	Extcorr	Pitting corrosion	Insignificant	Ok	
11	Oil	Riser wall	1985	Bare-metal	Not reported	Insignificant	Ok	
13	Gas	Riser wall	1985	Intcorr	Unknown	Insignificant	Ok	Reinspection showed no development.
13	Gas	Riser wall	1985	Intcorr	Unknown	Insignificant	Ok	Reinspection showed no development.
22	Oil/gas	Riser wall	1985	Extcorr	Unknown	Insignificant	Ok	
22	Oil/gas	Riser wall	1985	Dent	Unknown	Insignificant	Ok	None.
36	Gas	Riser-bend	1985	Clearance	Subsidence	Minor	Ok	RISER REPLACED 1991
36	Gas	Riser wall	1985	Crack	Unknown	Minor	Ok	GROUND 7MM INTO PIPE MATERIAL. DOUBLER PLATE INSTALLED TO RESTORE PIPE STRENGTH. Riser replaced.
34	Oil	Riser wall	1986	Ground area	Scoremark	Insignificant	Ok	NOT REQUIRED. BY-PASS INSTALLED 8.91. RISER NOT USED.
30	Gas	Riser wall	1986	Ground Area	Unknown	Insignificant	Ok	N/A
30	Gas	Riser wall	1986	Ground Area	Unknown	Insignificant	Ok	
24	Oil	Riser wall	1986	Clearance	Not reported	Minor	Ok	
34	Oil	Riser wall	1986	Clearance	Unknown	Insignificant	Ok	N/A RISER NOT USED. BY-PASS INST. 8.91
13	Oil	Riser wall	1986	Crack	Not reported	Insignificant	Ok	
30	Gas	Riser wall	1986	Ground Area	Unknown	Minor	Ok	N/A
24	Oil	Riser wall	1986	Ground Area	Unknown	Minor	Ok	
24	Oil	Riser wall	1986	Ground Area	Unknown	Minor	Ok	N/A
24	Oil	Riser wall	1986	Ground Area	Unknown	Insignificant	Ok	
24	Oil	Riser wall	1986	Ground Area	Unknown	Insignificant	Ok	
24	Oil	Riser wall	1986	Ground Area	Unknown	Insignificant	Ok	N/A
24	Oil	Riser wall	1986	Ground Area	Unknown	Insignificant	Ok	N/A
24	Oil	Riser wall	1986	Ground Area	Unknown	Insignificant	Ok	
24	GAS	Riser wall	1986	Scratch	Unknown	Insignificant	Ok	Decommissioned
24	GAS	Riser wall	1986	Scratch	Unknown	Insignificant	Ok	
24	GAS	Riser wall	1986	Scratch	Unknown	Insignificant	Ok	Decommissioned
24	GAS	Riser wall	1986	Scratch	Unknown	Insignificant	Ok	Decommissioned.
24	Oil	Riser wall	1986	Scratch	Unknown	Minor	Ok	
24	Gas	Riser wall	1986	Ground Area	Unknown	Insignificant	Ok	
20	Oil/gas		1986	Clearance	Not reported	Minor	Ok	N/A
13	Gas		1986	Clearance	Unknown	Insignificant	Ok	
18	Oil/gas	Riser wall	1986	Ground Area	Cu-penetration	Insignificant	Ok	N/A
18	Oil/gas	Riser wall	1986	Ground Area	Chiselmark	Insignificant	Ok	N/A.
18	Oil/gas		1986	Freespan	Scour	Insignificant	Monitoring	
30	Gas	Coating	1986	Crack	Not reported	Insignificant	Ok	N/A
18	Oil/gas		1986	Ground Area	Grinding	Insignificant	Ok	
24	Oil	Clamp	1986	Gap	Rubber insert	Insignificant	Ok	N/A
11	Oil	Riser wall	1986	Ground Area	Crack	Insignificant	Ok	Crack indication removed by grinding 5mm.
11	Oil	Riser wall	1986	Ground Area	Crack	Insignificant	Ok	Crack indication removed by grinding.
18	Oil/gas	Riser wall	1986	Undercut	Not reported	Insignificant	Ok	N/A
18	Oil/gas	Riser wall	1986	Scratch	Unknown	Insignificant	Ok	
18	Oil/gas	Riser wall	1986	Scratch	Unknown	Insignificant	Ok	

dimension	medium	object	year	anomaly	cause	severity	status	repair
18	Oil/gas	Riser wall	1986	Ground Area	Unknown	Insignificant	Ok	
34	Oil	Riser wall	1986	Burnmark	Unknown	Insignificant	Ok	This pipe section replaced during 1987 jack-up.
34	Oil	Riser wall	1986	Ground Area	Unknown	Major	Ok	New pipe section installed in damaged area during jack-up in 1987
16	Oil/gas	Riser wall	1986	Ground Area	Unknown	Insignificant	Ok	N/A
16	Oil/gas	Riser wall	1986	Ground Area	Not reported	Insignificant	Ok	N/A
16	Oil/gas	Riser wall	1986	Ground Area	Not reported	Insignificant	Ok	N/A
24	Oil/gas	Riser wall	1986	Scratch	Unknown	Insignificant	Ok	N/A
24	Oil/gas	Riser wall	1986	Ground Area	Unknown	Insignificant	Ok	N/A
24	Oil/gas	Riser wall	1986	Ground Area	Unknown	Insignificant	Ok	N/A
34	Oil	Riser wall	1986	Ground Area	Unknown	Minor	Ok	
34	Oil	Riser wall	1986	Ground Area	Unknown	Insignificant	Ok	
34	Oil	Riser wall	1986	Gouge	Unknown	Insignificant	Ok	N/A. RISER NOT USED. BY-PASS INSTALLED 8.91
34	Oil	Riser wall	1986	Ground area	Grinding	Insignificant	Ok	NONE REQUIRED. PLATFORM BY-PASSED
34	Oil	Riser wall	1986	Ground area	Grinding	Insignificant	Ok	N/A PLATFORM BY-PASSED 8.91
24	Oil/gas	Riser wall	1986	Ground Area	Unknown	Insignificant	Ok	
24	Oil/gas	Riser wall	1986	Ground Area	Not reported	Insignificant	Ok	N/A
24	Oil/gas	Riser wall	1986	Ground Area	Unknown	Insignificant	Ok	N/A
24	Oil/gas	Riser wall	1986	Ground Area	Not reported	Insignificant	Ok	N/A
16	Oil/gas	Riser wall	1986	Ground Area	Not reported	Insignificant	Ok	N/A
16	Oil/gas	Riser wall	1986	Ground Area	Not reported	Insignificant	Ok	N/A
14	Gas	Riser wall	1986	Scratch	Unknown	Insignificant	Ok	
14	Gas	Riser wall	1986	Scratch	Unknown	Insignificant	Ok	
14	Gas	Riser wall	1986	Gouge	Unknown	Insignificant	Ok	
14	Gas	Riser wall	1986	Scratch	Unknown	Insignificant	Ok	
14	Gas	Riser wall	1986	Scratch	Unknown	Insignificant	Ok	
14	Gas	Riser wall	1986	Scratch	Unknown	Insignificant	Ok	
22	Oil/gas	Riser wall	1986	Ground Area	Not reported	Insignificant	Ok	
11	Fuel gas	Riser wall	1986	Undercut	Unknown	Minor	Ok	No repair considered necessary.
18	Oil/gas	Riser wall	1986	Crack	Not reported	Insignificant	Ok	
13	Oil	Riser wall	1986	Crack	Not reported	Insignificant	Ok	Removed by grinding.
14	Gas	Riser wall	1986	Crack	Unknown	Insignificant	Ok	Crack removed. Ground area and depth not reported.
18	Oil/gas	Riser wall	1986	Burnmark	Fabrication	Insignificant	Ok	
18	Oil/gas	Riser wall	1986	Undercut	Welding defect	Insignificant	Ok	N/A
18	Oil/gas	Riser wall	1986	Gouge	Scratchmark	Insignificant	Ok	N/A
11	Oil/gas	Riser wall	1986	Extcorr	Coating	Minor	Ok	Sandblasted and repainted
20	Gas	Coating	1986	Bare-metal	Unknown	Insignificant	Ok	NONE REQUIRED.
36	Gas	Clamp	1986	Crack	Unknown	Insignificant	Ok	REMOVED BY SLIGHT GRINDING
36	Gas	Riser-bend	1986	Dent	Fabrication	Insignificant	Ok	NONE REQUIRED.
20	Oil/gas	Riser wall	1986	Crack	Unknown	Insignificant	Ok	
11	Oil/gas	Riser wall	1986	Crack	Unknown	Insignificant	Ok	Removed by grinding
24	Gas	Riser wall	1986	Crack	Unknown	Insignificant	Ok	Ground out
20	Oil	Riser wall	1986	Intcorr	Not reported	Insignificant	Monitoring	N/A
20	Gas		1986	Freespan	Scour	Minor	Ok	SANDBAGGED
20	Gas		1986	Freespan	Scour	Minor	Ok	SANDBAGGED
20	Gas	Riser wall	1987	Extcorr	Unknown	Insignificant	Ok	N/A NOT CONSIDERED SIGNIFICANT
26	Gas		1987	Leak	Leaking seal	Minor	Ok	
13	Oil	Riser wall	1987	Dent	Not reported	Insignificant	Ok	N/A

dimension	medium	object	year	anomaly	cause	severity	status	repair
13	Oil	Riser wall	1987	Scratch	Unknown	Insignificant	Ok	
13	Oil	Riser wall	1987	Ground Area	Not reported	Insignificant	Ok	N/A
13	Oil	Riser wall	1987	Ground Area	Unknown	Insignificant	Ok	N/A
22	Oil/gas	Riser wall	1987	Dent	Not reported	Minor	Ok	None.
22	Oil/gas	Riser wall	1987	Scratch	Not reported	Insignificant	Ok	
14	Gas	Riser wall	1987	Crack	Weld remain	Minor	Ok	Removed by grinding.
24	Oil	Clamp	1987	Gap	Clamp slipped	Insignificant	Ok	
11	Fuel gas	Riser wall	1987	Extcorr	Not reported	Insignificant	Ok	
13	Gas	Riser wall	1987	Ground Area	Unknown	Insignificant	Ok	N/A
13	Gas	Riser wall	1987	Ground Area	Unknown	Minor	Ok	N/A
36	Gas	Riser wall	1987	Dent	Unknown	Minor	Ok	N/A
36	Gas	Riser wall	1987	Ground area	Grinding	Insignificant	Ok	N/A
18	Oil/gas	Riser wall	1987	Crack	Fabrication	Insignificant	Ok	Removed by grinding.
36	Gas	Riser wall	1987	Ground Area	Grinding	Insignificant	Ok	
30	Gas	Clamp	1987	Gap	Loose bolts	Insignificant	Ok	REPOSITIONED AND TIGHTENED.
34	Oil	Clamp	1987	Gap	Missing concrete	Insignificant	Ok	GAPS FILLED WITH EPOXY 1987. Clamp replaced.
18	Oil/gas	Riser wall	1987	Crack	Fabrication	Insignificant	Ok	REMOVED BY GRINDING MAX. 1MM.
24	Gas	Skidbeam	1987	Gap	Not reported	Insignificant	Ok	N/A
18	Oil/gas	Clamp	1987	Gap	Not reported	Insignificant	Ok	
18	Oil/gas	Earthplate	1987	Crack	Not reported	Minor	Ok	
13	Oil	Clamp	1987	Gap	Not reported	Insignificant	Ok	
13	Oil	Clamp	1987	Gap	Not reported	Insignificant	Ok	
22	Oil/gas		1987	Clearance	Pipe creepage	Insignificant	Ok	
18	Oil/gas	Riser wall	1987	Ground Area	Unknown	Insignificant	Ok	N/A
34	Oil	Riserprotector	1987	Crack	Not reported	Insignificant	Ok	N/A RISER NOT USED. BY-PASS INST. 8.91
36	Gas	Steelcasing	1987	Burnmark	Not reported	Minor	Ok	
36	Gas		1987	Debris	Trawling	Insignificant	Ok	
34	Oil	Riser wall	1988	Scratch	Unknown	Insignificant	Ok	N/A
34	Oil	Riser wall	1988	Scratch	Unknown	Minor	Ok	
34	Oil	Riser wall	1988	Gouge	Unknown	Insignificant	Ok	No action required.
34	Oil	Riser wall	1988	Ground area	Grinding	Minor	Ok	NONE REQUIRED. PIPELINE BY-PASSES PLATFORM.
36	Gas	Riser wall	1988	Scratch	Not reported	Insignificant	Ok	NOT REQUIRED
36	Gas	Riser wall	1988	Burnmark	Not reported	Insignificant	Ok	NOT REQUIRED(RISER REPLACED 8.91)
36	Gas	Riser wall	1988	Scratch	Chiselmark	Insignificant	Ok	SHARP EDGES GROUND FLUSH WITH PARENT MATERIAL. RISER REPLACED 8.91.
36	Gas	Riser wall	1988	Scratch	Chiselmark	Insignificant	Ok	SHARP EDGES GROUND FLUSH WITH PARENT METAL (RISER REPLACED 8.91 DUE TO SUBSIDENCE. CONTACT BETWEEN RISER - MEMBER)
36	Gas		1988	Crack	Not reported	Minor	Ok	RISER REPLACED 8.91 DUE TO CONTACT BETWEEN RISER AND STRUCTURE. CAUSED BY SUBSIDENCE.
34	Oil	Clamp	1988	Crack	Unknown	Insignificant	Ok	REMOVED BY GRINDING MAX 1,5MM.
34	Oil	Clamp	1988	Crack	Not reported	Insignificant	Ok	REMOVED BY SLIGHT GRINDING <0,5MM.
34	Oil	Clamp	1988	Crack	Not reported	Insignificant	Ok	REMOVED BY GRINDING MAX. 1MM.
36	Gas	Riser wall	1988	Burnmark	Unknown	Minor	Ok	AREA GROUND APPR. 5,5MM DEEP AND BURNMARKS
36	Gas	Riser wall	1988	Burnmark	Unknown	Insignificant	Ok	GROUND TO A DEPTH OF 4,75MM. EDGES SMOOTHENED.
34	Oil	Clamp	1988	Crack	Welding	Insignificant	Ok	REMOVED BY GRINDING 1,5MM.

dimension	medium	object	year	anomaly	cause	severity	status	repair
34	Oil	Clamp	1988	Crack	Fabrication	Insignificant	Ok	REMOVED BY GRINDING MAX. 1MM. RISER NOT USED. BY-PASS INST.8.91
34	Oil	Cover	1988	Gap	Not reported	Insignificant	Ok	N/A. RISER NOT USED. BY-PASS INST. 8.91
16	Oil/gas	Riser-bend	1988	Clearance	Not reported	Insignificant	Monitoring	
20	Oil/gas		1988	Clearance	Not reported	Insignificant	Ok	
11	Oil/gas	Riser wall	1988	Undercut	Unknown	Insignificant	Ok	
13	Oil	Clamp	1988	Gap	Not reported	Insignificant	Ok	NO CORRECTIVE ACTION RECOMMENDED.
13	Oil	Riser wall	1988	Scratch	Not reported	Insignificant	Ok	AREA GROUND SMOOTH. NO SHARP EDGES
13	Oil	Clamp	1988	Other	Not reported	Insignificant	Ok	
14	Gas	Riser wall	1988	Extcorr	External corrosion	Insignificant	Ok	N/A
14	Gas	Clamp	1988	Gap	Not reported	Insignificant	Ok	
16	Oil/gas	Coating	1988	Bare-metal	Unknown	Insignificant	Ok	N/A
16	Oil/gas	Coating	1988	Bare-metal	Unknown	Insignificant	Ok	N/A
16	Oil/gas	Coating	1988	Bare-metal	Unknown	Insignificant	Ok	N/A
16	Oil/gas	Coating	1988	Bare-metal	Unknown	Insignificant	Ok	N/A
16	Oil/gas	Coating	1988	Bare-metal	Unknown	Insignificant	Ok	N/A
16	Oil/gas	Coating	1988	Bare-metal	Unknown	Insignificant	Ok	N/A
16	Oil/gas	Riser wall	1988	Scratch	Unknown	Insignificant	Ok	N/A
18	Oil/gas	Earthplate	1988	Crack	Low quality weld	Insignificant	Ok	None.
11	Oil/gas	Riser wall	1988	Crack	Unknown	Insignificant	Ok	REMOVED BY GRINDING 1MM
11	Oil/gas	Riser wall	1988	Crack	Unknown	Insignificant	Ok	REMOVED BY GRINDING 1MM
11	Oil/gas	Riser wall	1988	Crack	Unknown	Insignificant	Ok	REMOVED BY GRINDING 0,5MM
11	Oil/gas	Riser wall	1988	Ground area	Grinding	Insignificant	Ok	Removed by grinding.
11	Oil/gas	Riser wall	1988	Extcorr	Not reported	Insignificant	Ok	SANDBLASTED AND REPAINTED 1988.
11	Fuel gas	Riser wall	1988	Crack	Welding	Minor	Ok	REMOVED BY GRINDING
13	Gas		1988	Freespan	Scour	Insignificant	Monitoring	
24	Oil/gas	Riser wall	1988	Extcorr	Unknown	Insignificant	Ok	
24	Gas		1988	Freespan	Scour	Minor	Ok	TWO SANDBAG SUPPORTS BUILT(+148M AND +160M) SUPP.LENGTH 4M
34	Oil	Clamp	1988	Crack	Not reported	Minor	Ok	New clamp installed. Riser bypassed.
34	Oil	Clamp	1988	Crack	Not reported	Minor	Ok	
34	Oil	Clamp	1988	Crack	Not reported	Minor	Ok	New clamp installed. Riser by-passed.
34	Oil	Clamp	1988	Crack	Not reported	Minor	Ok	Riser not used. Bypassed.
34	Oil	Riser wall	1988	Bare-metal	Not reported	Insignificant	Ok	NOT REQUIRED.
34	Oil	Clamp	1988	Gap	Riser movement	Insignificant	Ok	N/A. Riser not used. Bypassed.
34	Oil		1988	Clearance	Not reported	Insignificant	Ok	Riser not in use.
34	Oil	Clamp	1988	Crack	Unknown	Insignificant	Ok	
34	Oil	Riser-bend	1988	Clearance	Subsidence	Minor	Ok	
34	Oil	Riser-bend	1988	Clearance	Subsidence	Minor	Ok	
30	Gas	Clamp	1988	Crack	Not reported	Insignificant	Ok	REMOVED BY GRINDING.
24	Oil	Riser wall	1988	Ground Area	Unknown	Insignificant	Ok	N/A
24	Oil		1988	Freespan	Scour	Insignificant	Monitoring	
13	Gas	Riser wall	1988	Ground Area	Unknown	Insignificant	Ok	N/A
13	Gas	Riser wall	1988	Gouge	Unknown	Insignificant	Ok	None
13	Gas	Riser wall	1988	Gouge	Unknown	Insignificant	Ok	
13	Gas	Riser wall	1988	Gouge	Unknown	Insignificant	Ok	
34	Oil	Riser wall	1988	Scratch	Unknown	Insignificant	Ok	
34	Oil	Riser wall	1988	Ground Area	Unknown	Insignificant	Ok	

dimension	medium	object	year	anomaly	cause	severity	status	repair
34	Oil	Riser wall	1988	Crack	Welding	Insignificant	Ok	Riser not used.
18	Oil/gas	Clamp	1988	Loose	Weather	Minor	Ok	Bolts retightened.
20	Oil/gas	Clamp	1988	Gap	Not reported	Minor	Ok	Locknuts re-tightened.
20	Oil/gas	Clamp	1988	Gap	Rubber sleeve missing	Minor	Ok	Bolts re-tightened.
36	Gas	Riser wall	1988	Crack	Unknown	Minor	Monitoring	
34	Oil	Riser wall	1988	Crack	Unknown	Insignificant	Ok	Riser not used.
34	Oil	Clamp	1988	Crack	Unknown	Minor	Ok	Riser not used.
11	Oil/gas	Riser wall	1988	Scratch	Unknown	Insignificant	Ok	N/A
11	Oil/gas	Riser wall	1988	Scratch	Unknown	Insignificant	Ok	N/A
11	Oil/gas	Riser wall	1988	Scratch	Chiselmark	Insignificant	Ok	N/A
13	Gas	Riser wall	1988	Ground Area	Unknown	Insignificant	Ok	None, no sharp egdes.
13	Gas	Riser wall	1988	Crack	Fabrication	Insignificant	Ok	Defects ground out.
20	Oil/gas	Riser wall	1988	Crack	Unknown	Minor	Ok	
11	Oil/gas	Riser wall	1988	Ground area	Unknown	Minor	Ok	
11	Oil/gas	Riser wall	1988	Ground area	Unknown	Insignificant	Ok	
24	GAS	Riser wall	1988	Ground Area	Unknown	Insignificant	Ok	
18	Oil/gas	Riser-bend	1988	Extcorr	Pitting corrosion	Insignificant	Ok	
11	Fuel gas	Anode	1988	Crack	Mechanical damage	Insignificant	Ok	No further action required.
11	Oil	Anode	1988	Broken	Not reported	Insignificant	Ok	
16	Oil/gas	Clamp	1988	Gap	Not reported	Insignificant	Ok	
11	Oil	Riser wall	1988	Scratch	Unknown	Insignificant	Ok	
34	Oil	Clamp	1988	Gap	Missing concrete	Insignificant	Ok	
18	Oil/gas	Clamp	1988	Gap	Loose clamp	Insignificant	Ok	
30	Gas	Clamp	1988	Crack	Unknown	Insignificant	Ok	Repaired.
24	GAS	Clamp	1988	Gap	Locknuts missing	Minor	Ok	Decommissioned
11	Oil	Clamp	1988	Gap	Not reported	Insignificant	Ok	New nut installed.
11	Oil	Clamp	1988	Gap	Not reported	Insignificant	Ok	Spacers installed.
34	Oil	Clamp	1988	Gap	Not reported	Insignificant	Ok	Riser not used.
16	Oil/gas	Clamp	1988	Gap	Not reported	Insignificant	Ok	N/A
16	Oil/gas	Clamp	1988	Gap	Not reported	Insignificant	Ok	N/A
24	Oil/gas	Coating	1988	Spalling	Unknown	Insignificant	Ok	
20	Oil		1988	Crack	Fabrication	Insignificant	Ok	N/A
11	Oil/gas	Riser wall	1988	Crack	Unknown	Insignificant	Ok	Removed by 1mm grinding.
11	Oil/gas	Riser wall	1988	Crack	Unknown	Insignificant	Ok	Removed by 1mm grinding.
14	Gas	Riser wall	1988	Crack	Fabrication	Minor	Ok	REMOVED BY LIGHT GRINDING
36	Oil		1988	Leak	Movement	Major	Ok	Leak isolated by using bypass line. Pipeline decommissioned.
36	Gas	Clamp	1989	Gap	Loose bolts	Insignificant	Ok	BOLTS REPLACED
36	Gas	Clamp	1989	Gap	Unknown	Insignificant	Ok	
36	Gas	Clamp	1989	Gap	Not reported	Insignificant	Ok	
36	Gas	Clamp	1989	Gap	Unknown	Insignificant	Ok	
36	Gas	Clamp	1989	Loose	Weather	Minor	Ok	CONDITION CORRECTED 1990
11	Oil/gas	Clamp	1989	Gap	Unknown	Insignificant	Ok	
13	Oil	Clamp	1989	Gap	Missing concrete	Insignificant	Ok	
24	Gas	Riser wall	1989	Wall thickness	Fabrication	Insignificant	Ok	
34	Oil	Riser wall	1989	Scratch	Unknown	Insignificant	Ok	N/A
34	Oil	Clamp	1989	Crack	Not reported	Minor	Ok	Riser not used
30	Gas	Clamp	1989	Gap	Not reported	Insignificant	Ok	

dimension	medium	object	year	anomaly	cause	severity	status	repair
24	Oil	Clamp	1989	Gap	Not reported	Insignificant	Ok	
24	Oil	Clamp	1989	Gap	Unknown	Insignificant	Ok	
11	Oil/gas	Clamp	1989	Gap	Misalignment	Insignificant	Ok	
14	Gas	Riser wall	1989	Extcorr	Not reported	Insignificant	Ok	
24	GAS		1989	Scratch	Scratchmark	Insignificant	Ok	N/A
11	Oil/gas	Riser wall	1989	Gouge	Unknown	Insignificant	Ok	N/A
11	Oil/gas	Riser wall	1989	Gouge	Unknown	Insignificant	Ok	N/A.
34	Oil	Riser wall	1989	Ground area	Unknown	Minor	Ok	N/A. RISER NOT USED. BY-PASS INST. 8.91
36	Gas	Steelcasing	1989	Bare-metal	Not reported	Minor	Ok	N/A
36	Gas	Riser wall	1989	Extcorr	Not reported	Insignificant	Ok	N/A
36	Gas		1989	Clearance	Not reported	Insignificant	Ok	
36	Gas		1989	Clearance	Not reported	Insignificant	Ok	
20	Oil	Riser wall	1989	Extcorr	Coating damage	Minor	Ok	SANDBLASTED AND PAINTED.
20	Gas	Riser wall	1989	Extcorr	Coating damage	Minor	Ok	SANDBLASTED AND PAINTED. THONDOR PLATE INSTALLED BETWEEN DOUBLER PLATE ON THE SUPPORT CLAMP NO.2.
24	Gas	Riser wall	1989	Lamination	Fabrication	Insignificant	Ok	NOT REQUIRED.
18	Oil/gas		1989	Clearance	Not reported	Insignificant	Ok	
36	Gas	Riser wall	1989	Extcorr	Unknown	Insignificant	Ok	Riser replaced.
22	Oil/gas	Riser wall	1990	Extcorr	Unknown	Insignificant	Ok	AREA SANDBLASTED 8.8.90 BEFORE SPLASH ZONE PROTECTION
30	Gas		1990	Clearance	Unknown	Minor	Ok	
22	Oil/gas		1990	Clearance	Not reported	Insignificant	Ok	
13	Oil	Riser wall	1990	Other	Fabrication	Insignificant	Ok	NONE REQUIRED.
24	Oil/gas	Riser wall	1990	Extcorr	Not reported	Minor	Ok	Corrosion removed, sharp edges smoothened and area covered with splash zone protection. New clamp installed.
18	Oil/gas	Riser wall	1990	Extcorr	Unknown	Minor	Ok	N/A
34	Oil	Clamp	1990	Crack	Not reported	Minor	Ok	CLAMP REPLACED FALL 1990.
20	Oil/gas	Riser wall	1990	Extcorr	Not reported	Major	Ok	Riser cut at corroded area and pup- piece installed during 1991 shutdown.
18	Oil/gas	Clamp	1990	Extcorr	Water accumulation	Major	Ok	PUP-PIECE INSTALLED IN CORRODED AREA AUG.1991
13	Gas		1990	Scratch	Unknown	Insignificant	Ok	
20	Oil	Spoolpiece	1990	Broken	Impact	Insignificant	Ok	NONE REQUIRED
14	Gas	Clamp	1990	Crack	Unknown	Minor	Ok	Removed by grinding.
34	Oil	Clamp	1990	Crack	Not reported	Minor	Ok	
24	Oil	Clamp	1990	Gap	Not reported	Insignificant	Ok	
13	Oil	Clamp	1990	Other	Weather	Minor	Ok	To be returned to original position during 1991 season.
13	Oil	Clamp	1990	Other	Weather	Minor	Ok	To be returned to original position.
14	Gas	Clamp	1990	Other	Weather	Minor	Ok	To be repositioned 1991
13	Oil	Anode	1990	Clearance	Weather	Insignificant	Ok	N/A
24	GAS	Flange	1990	Leak	Clamp failure/weather	Major	Ok	RISERSECTION FROM +63' TO -95' REMOVED
18	Oil/gas		1991	Freespan	Scour	Minor	Ok	SANDBAG SUPPORTS INSTALLED
11	Oil		1991	Freespan	Scour	Minor	Ok	Sandbag support installed
20	Gas		1991	Freespan	Scour	Minor	Ok	None
18	Oil/gas	Clamp	1991	Extcorr	Unknown	Minor	Ok	
13	Gas	Clamp	1991	Crack	Unknown	Insignificant	Ok	New bolt installed.
18	Oil/gas	Riser wall	1991	Extcorr	Unknown	Minor	Ok	Sandblasted and repainted.
24	Oil/gas	Coating	1991	Spalling	Unknown	Insignificant	Ok	
16	Oil/gas	Clamp	1991	Gap	Concrete outfall	Minor	Ok	N/A

dimension	medium	object	year	anomaly	cause	severity	status	repair
11	Oil/gas	Clamp	1991	Gap	Unknown	Insignificant	Ok	
34	Oil	Riserprotector	1991	Crack	Unknown	Minor	Ok	GROUND 18MM AND REWELDED.
13	Water		1992	Leak	Wire chafing	Major	Ok	Spool piece installed using "Morgrip flanges".
13	Gas		1992	Freespan	Scour	Minor	Ok	None (NATURAL BACKFILL)
20	Oil/gas		1992	Coating	Unknown	Insignificant	Ok	NONE
20	Oil/gas		1992	Extcorr	Unknown	Minor	Ok	NONE
20	Oil/gas		1992	Intcorr	Unknown	Minor	Ok	NONE
20	Oil/gas		1992	Extcorr	Unknown	Minor	Ok	NONE
20	Gas		1992	Clearance	Not reported	Insignificant	Monitoring	
24	Oil/gas	Riser wall	1992	Extcorr	Not reported	Minor	Ok	AREA SANDBLASTED AND PIANTED
24	Oil/gas	Riser wall	1992	Extcorr	Not reported	Minor	Ok	AREA SANDBLASTED AND PAINTED
24	Oil/gas	Riser wall	1992	Extcorr	Not reported	Minor	Ok	AREA SANDBLASTED AND PIANTED
24	Oil/gas	Steelcasing	1992	Extcorr	Not reported	Minor	Ok	AREA SANDBLASTED AND PAINTED
18	Oil/gas	Riser wall	1992	Extcorr	Not reported	Major	Ok	THE SPLASH ZONE OF THE RISER HAS BEEN PAINTED
24	Oil	Clamp	1992	Gap	Movement	Insignificant	Ok	DIVER INSP. AND TIGHT BOLTS
14	Gas	Clamp	1992	Gap	Not reported	Insignificant	Ok	ALL BOLTS IN THE CLAMP SYSTEM SHOULD BE CHECKED AND RETIGHTEND IN 1993
16	Oil/gas	Clamp	1992	Gap	Not reported	Insignificant	Ok	N/A
16	Oil/gas	Clamp	1992	Gap	Not reported	Insignificant	Ok	N/A
16	Oil/gas	Clamp	1992	Gap	Not reported	Insignificant	Ok	N/A.
20	Oil	Clamp	1993	Crack	Fabrication	Minor	Ok	CLAMP REPLACED
24	Oil/gas		1993	Intcorr	Unknown	Major	Ok	None
24	Oil/gas		1993	Intcorr	Unknown	Major	Ok	None
24	Oil/gas		1993	Intcorr	Unknown	Major	Ok	None
24	Oil/gas		1993	Intcorr	Unknown	Major	Ok	None
24	Oil/gas		1993	Intcorr	Unknown	Major	Ok	None
26	Gas	Riser-bend	1993	Extcorr	Coating breakdown	Major	Ok	AREA SANDBLASTED AND REPAINTED.
13	Oil/gas		1993	Intcorr	CO2 corrosion	Major	Monitoring	
24	Oil/gas		1993	Intcorr	Unknown	Major	Ok	None
24	Oil/gas		1993	Intcorr	Unknown	Major	Ok	None
24	Oil/gas		1993	Intcorr	Unknown	Major	Ok	None
24	Oil/gas		1993	Intcorr	Unknown	Major	Ok	None
24	Oil/gas		1993	Intcorr	Unknown	Major	Ok	None
14	Gas	Riser wall	1993	Extcorr	Not reported	Insignificant	Ok	SANDBLASTED AND PAINTED
13	Oil	Riser wall	1993	Extcorr	Not reported	Insignificant	Ok	SANDBLASTED AND PAINTED
11	Gas		1993	Extcorr	Coating breakdown	Major	Monitoring	
20	Gas	Pig-receiver	1993	Other	Lack of maintenance	Major	Ok	PIG RECEIVER REPAIRED
20	Oil	Pig-receiver	1993	Other	Lack of maintenance	Major	Ok	PIG RECEIVER REPAIRED. (REPLACED?)
11	Gas		1994	Freespan	Scour	Minor	Ok	ROCKDUMPED.
11	Gas		1994	Freespan	Scour	Minor	Ok	ROCKDUMPED
11	Gas		1994	Freespan	Scour	Minor	Ok	ROCKDUMPED
20	Oil/gas	Flange	1994	Leak	Loose bolts	Major	Ok	BOLTS RETIGHTENED. LEAK STOPPED.
11	Oil		1994	Freespan	Scour	Minor	Monitoring	NONE
11	Gas		1994	Freespan	Scour	Minor	Ok	
13	Gas		1994	Freespan	Scour	Minor	Ok	NONE
11	Oil/gas	Riser wall	1994	Extcorr	Coating wear	Insignificant	Ok	SANDBLASTING/REPAINTING
11	Fuel gas		1994	Clearance	Not reported	Insignificant	Ok	

dimension	medium	object	year	anomaly	cause	severity	status	repair
13	Gas		1994	Dent	Trench plow	Major	Ok	HYPERBARIC TIE-IN SUCESSFULLY COMPLETED 24.8.94
13	Oil/gas	Pig-receiver	1994	Other	Lack of maintenance	Major	Ok	Repaired.
11	Fuel gas		1994	Freespan	Thermal expansion	Minor	Monitoring	N/A
20	Oil/gas		1994	Freespan	Scour	Minor	Monitoring	NONE
24	Oil/gas		1994	Freespan	Scour	Minor	Ok	GRAVELDUMP UTILISING SANDPIPER, 3 SANDBAG SUPPORTS INSTALLED 27.6.91
22	Oil/gas		1994	Freespan	Scour	Minor	Monitoring	NONE
20	Oil		1994	Freespan	Scour	Minor	Ok	Graveldumped 20m
13	Oil		1995	Intcorr	Fabrication	Minor	Monitoring	NONE
11	Gas		1995	Leak	Unknown	Minor	Monitoring	
10	Water		1995	Broken	Micro leakage	Major	Ok	Repaired
8	Oil/gas	End-connection	1995	Leak	Coflon layer shrinkage	Major	Ok	Repaired riser installed 3.7.95.
8	Oil/gas		1995	Leak	Coflon layer shrinkage	Major	Ok	Repaired riser reinstalled Nov. 95
16	Oil	Coating	1995	Bulge	Unknown	Minor	Monitoring	
20	Gas		1995	Extcorr	Damaged coating	Minor	Ok	Corroded area ground smooth and repainted
20	Oil		1995	Extcorr	Damaged coating	Minor	Ok	Corroded area was ground smooth and repainted.
36	Gas	Riser wall	1995	Wear	Metal loss	Insignificant	Monitoring	
36	Gas	Riser wall	1995	Wear	Metal loss	Insignificant	Monitoring	
36	Gas	Riser wall	1995	Wear	Metal loss	Insignificant	Monitoring	
36	Gas	Riser wall	1995	Wear	Metal loss	Insignificant	Monitoring	
36	Gas	Riser wall	1995	Wear	Metal loss	Insignificant	Monitoring	
36	Gas	Riser wall	1995	Wear	Metal loss	Insignificant	Monitoring	
30	Gas	Coating	1996	Coating	Not reported	Insignificant	Ok	Coating damage repaired.
9	Condensate		1996	Extcorr	Coating	Minor	Ok	At the time of inspection the corroded area was cleaned with a needle hammer and recoated.
11	Oil	Riser wall	1996	Intcorr	Pitting corrosion	Insignificant	Ok	MONITORED, NO DEVELOPEMENT DETECTED.
20	Oil/gas	Clamp	1996	Extcorr	Not reported	Major	Ok	Evaluated, sandblasted and painted.
20	Oil/gas	Riser wall	1996	Extcorr	Not reported	Major	Ok	EVAL. SANDBL.& PAINTED. INTERNAL INSP. PERFORMED.
18	Oil/gas	Riser wall	1996	Extcorr	Not reported	Minor	Ok	SANDBLASTED AND PAINTED
36	Gas	Coating	1996	Coating	Damaged coating	Insignificant	Ok	Temporary repair planned within 1997 and complete repair during shutdown in 1998. Coating damage repaired.
28	Gas	Coating	1996	Coating	Damaged coating	Insignificant	Ok	Repair scheduled at next shutdown. Coating damage repaired.
36	Gas	Coating	1996	Coating	Coating breakdown	Insignificant	Ok	Planned within 1997, (week 27). Coating damage repaired.
13	Gas		1996	Spalling	Excessive thickness	Major	Ok	Area of damaged coating is planned to be cleaned (sandblasted) and recoated during 1997.
13	Oil		1996	Spalling	Excessive thickness	Major	Ok	Area of damaged coating planned to be cleaned (sandblasted) and recoated during 1997.
24	Oil		1996	Extcorr	Not reported	Insignificant	Ok	Sandblasted and painted.
30	Gas		1996	Extcorr	External corrosion	Insignificant	Ok	Sandblasted and painted.
9	Water		1997	Leak	Bending	Major	Ok	New riser installed during May/June 1998.
32	Gas		1997	Leak	Insufficient tightening	Insignificant	Ok	Tightening of ventilation plug.
22	Gas		1997	Leak	Insufficient thightening	Insignificant	Ok	Tightening of ventilation plug.
20	Gas	Clamp	1997	Loose	Fabrication	Minor	Monitoring	The bolt at el. -34.5m replaced in August 1999.
16	Water	Riser wall	1997	Intcorr	Not reported	Minor	Monitoring	N/A
16	Water	Riser wall	1997	Intcorr	Not reported	Minor	Monitoring	N/A
16	Water	Riser wall	1997	Intcorr	Not reported	Minor	Monitoring	N/A

dimension	medium	object	year	anomaly	cause	severity	status	repair
16	Water	Riser wall	1997	Intcorr	Not reported	Minor	Monitoring	N/A
16	Water	Riser wall	1997	Intcorr	Not reported	Minor	Monitoring	N/A
16	Water	Riser wall	1997	Intcorr	Not reported	Minor	Monitoring	N/A
16	Water	Riser wall	1997	Intcorr	Pitting corrosion	Minor	Monitoring	N/A
16	Water	Riser wall	1997	Intcorr	Not reported	Minor	Monitoring	N/A.
16	Water	Riser wall	1997	Intcorr	Not reported	Minor	Monitoring	N/A
16	Water	Riser wall	1997	Intcorr	Not reported	Minor	Monitoring	N/A
11	Gas	Anode	1997	Loose	Hydrogen cracking	Minor	Ok	New type of anodesuspender to be installed during January 1999. 1999: 21 of 23 anodesuspenders installed during February.
11	Gas	Flange	1997	Intcorr	High temperature/trapped seawater	Minor	Ok	Corroded split slevves, bolts and bolt caps replaced on all flanges. 1999 re-inspection confirmed adequate corrosion protection.
20	Oil	Flange	1997	Intcorr	High temperature/trapped seawater	Minor	Ok	Corroded split sleevees, bolts and bolt caps on all flanges are replaced. 1999 re- inspection confirmed adequate corrosion protection.
16	Water	Riser wall	1997	Intcorr	Not reported	Minor	Monitoring	
16	Water	Riser wall	1997	Intcorr	Not reported	Minor	Monitoring	
16	Water	Riser wall	1997	Intcorr	Not reported	Minor	Monitoring	
16	Water	Riser wall	1997	Intcorr	Not reported	Minor	Monitoring	
16	Water	Riser wall	1997	Intcorr	Not reported	Minor	Monitoring	
16	Water	Riser wall	1997	Intcorr	Not reported	Minor	Monitoring	
16	Water	Riser wall	1997	Intcorr	Not reported	Minor	Monitoring	
16	Water	Riser wall	1997	Intcorr	Not reported	Minor	Monitoring	
16	Water	Riser wall	1997	Intcorr	Not reported	Minor	Monitoring	
16	Water	Riser wall	1997	Intcorr	Not reported	Minor	Monitoring	
16	Water	Riser wall	1997	Intcorr	Not reported	Minor	Monitoring	
16	Water	Riser wall	1997	Intcorr	Not reported	Minor	Monitoring	
16	Water	Riser wall	1997	Intcorr	Not reported	Minor	Monitoring	
16	Water	Riser wall	1997	Intcorr	Not reported	Minor	Monitoring	
16	Water	Riser wall	1997	Intcorr	Not reported	Minor	Monitoring	
16	Water	Riser wall	1997	Intcorr	Not reported	Minor	Monitoring	
16	Water	Riser wall	1997	Intcorr	Not reported	Minor	Monitoring	
16	Water	Riser wall	1997	Intcorr	Not reported	Minor	Monitoring	
16	Water	Riser wall	1997	Intcorr	Not reported	Minor	Monitoring	
16	Water	Riser wall	1997	Intcorr	Not reported	Minor	Monitoring	
16	Water	Riser wall	1997	Intcorr	Not reported	Minor	Monitoring	
16	Water	Riser wall	1997	Intcorr	Not reported	Minor	Monitoring	
16	Water	Riser wall	1997	Intcorr	Not reported	Minor	Monitoring	
16	Water	Riser wall	1997	Intcorr	Not reported	Minor	Monitoring	
20	Oil/gas	Riser wall	1998	Wall thickness	Not reported	Insignificant	Monitoring	Re-inspection planned during the 1999 season.
16	Oil	Riser wall	1998	Bare-metal	External corrosion	Major	Ok	Repair shceduled for summer 2001.
16	Oil	Riser wall	1998	Bare-metal	External corrosion	Major	Ok	Repair scheduled for summer 2001.
16	Gas	Riser wall	1998	Bare-metal	External corrosion	Major	Ok	Repair conducted summer 2001.
16	Oil	Riser wall	1998	Extcorr	Not reported	Insignificant	Monitoring	
16	Oil	Coating	1998	Scratch	Not reported	Insignificant	Monitoring	N/A
30	Gas	Spoolpiece	1998	Wall thickness	Fabrication	Minor	Monitoring	N/A
40	Gas	Flange	1998	Leak	Not reported	Insignificant	Ok	Leakage repaired.
20	Oil/gas		1998	Extcorr	Not reported	Minor	Ok	Sandblasted and repainted.
20	Oil/gas	Flange	1998	Exposure	Not reported	Minor	Ok	Corroded bolts and nuts on F3 and F3 have been changed.

dimension	medium	object	year	anomaly	cause	severity	status	repair
11	Fuel gas	Riser-bend	1998	Extcorr	Not reported	Minor	Ok	Sandblasted and repainted.
11	Fuel gas	Clamp	1998	Extcorr	Not reported	Minor	Ok	Sandblasted and repainted and clamp reinstalled.
11	Fuel gas	Flange	1998	Extcorr	Not reported	Minor	Ok	Sandblasted and repainted.
18	Oil/gas	Riser-bend	1998	Extcorr	Not reported	Minor	Ok	Sandblasted and repainted.
18	Oil/gas	Flange	1998	Extcorr	Not reported	Minor	Ok	Changed nuts and bolts. New rubbercups and grease installed.
18	Oil/gas	Flange	1998	Extcorr	Not reported	Minor	Ok	Nuts and bolts have been changed on flange 4.
22	Oil/gas		1998	Extcorr	Not reported	Insignificant	Ok	Sandblasted and repainted.
22	Oil/gas	Flange	1998	Extcorr	Not reported	Minor	Ok	Sandblasted and repainted.
14	Gas		1998	Extcorr	Not reported	Insignificant	Ok	Sandblasted and repainted during the 1999 season.
24	Oil	Flange	1998	Extcorr	Not reported	Insignificant	Repair	Nuts and bolts on flange to be replaced.
24	Oil	Flange	1998	Extcorr	Not reported	Insignificant	Repair	Nuts and bolts to be replaced.
30	Gas	Clamp	1998	Extcorr	Not reported	Insignificant	Ok	Riser sandblasted and repainted. New bolts installed.
30	Gas	Clamp	1998	Extcorr	Not reported	Insignificant	Repair	To be sandblasted and repainted during the 1999 season. 2001: Repair work postponed to summer 2001.
30	Gas	Clamp	1998	Loose	Not reported	Insignificant	Ok	Nuts and bolts have been changed and the clamp retightened.
36	Gas	Flange	1998	Extcorr	Not reported	Minor	Ok	Furmanite clamp nstalled during the 1999 season.
36	Gas	Flange	1998	Extcorr	Not reported	Minor	Ok	Furmanite clamp installed during the 1999 season.
36	Gas	Flange	1998	Extcorr	Not reported	Minor	Ok	Furmanite clamp installed during the 1999 season.
8	Gas lift	Riser-bend	1998	Extcorr	Not reported	Insignificant	Ok	Sandblasted and repainted during the 1999 season.
7	Injection	Flange	1998	Extcorr	Not reported	Insignificant	Ok	Sandblasted and repainted.
14	Oil/gas	Clamp	1998	Extcorr	Not reported	Insignificant	Repair	Bolts to be replaced. 1999: Sandblast and repaint the areas with class 2 corrosion.
20	Oil/gas	Clamp	1998	Extcorr	Not reported	Minor	Repair	Bolts have to be replaced.
8	Gas lift	Flange	1998	Extcorr	Pitting corrosion	Minor	Ok	Sandblasted and repainted.
20	Condensate	Coating	1999	Coating	Not reported	Insignificant	Monitoring	N/A
30	Gas	Spoolpiece	1999	Wall thickness	Fabrication	Minor	Monitoring	N/A
20	Oil/gas	Flange	1999	Extcorr	Not reported	Minor	Ok	Class 3 corrosion sandblasted and repainted.
20	Oil/gas	Clamp	1999	Extcorr	Not reported	Minor	Evaluation	N/A
20	Oil/gas	Flange	1999	Extcorr	Not reported	Minor	Ok	N/A
18	Oil/gas	Flange	1999	Extcorr	Not reported	Minor	Ok	Class 3 corrosion sandblasted and repainted.
18	Oil/gas	Flange	1999	Extcorr	Not reported	Minor	Ok	Class 3 corrosion sandblasted and repainted.
22	Oil/gas	Flange	1999	Extcorr	Not reported	Minor	Ok	Class 2 corrosion have been sandblasted and repainted.
24	Oil	Clamp	1999	Loose	Not reported	Insignificant	Ok	Nuts and bolts have been replaced and the clamp retightened.
24	Oil	Flange	1999	Extcorr	Not reported	Minor	Repair	Work order has been established to sandblast and paint corroded areas summer 2002.
30	Gas	Clamp	1999	Loose	Not reported	Insignificant	Ok	Nuts and bolts have been replaced and clamp 3 retightened. 2000: Longer bolts to be inserted.
8	Gas lift	Clamp	1999	Extcorr	Not reported	Minor	Repair	Bolts and nuts to be replaced during 2000 season.
12	Water	Clamp	1999	Extcorr	Not reported	Minor	Repair	Sandblast and repaint corroded areas.
14	Oil/gas	Clamp	1999	Extcorr	Not reported	Minor	Repair	Sandblast and repaint areas with class 2 corrosion.
14	Oil/gas	Flange	1999	Extcorr	Not reported	Minor	Repair	Sandblast and repaint areas with class 2 corrosion.
11	Water		1999	Other	Pull-in winch breakdown	Minor	Ok	N/A
8	Water		1999	Crack	Unlocked Zeta wires	Major	Ok	New riser installed in February 2000.
6	Oil	Coating	2000	Hole	Blockage of gas release valve	Minor	Repair	Riser to be replaced in September 2001.
6	Oil	Annulus	2000	Waterfilled annulus	Unknown	Major	Ok	Riser replaced in september 2000.

dimension	medium	object	year	anomaly	cause	severity	status	repair
6	Oil	Annulus	2000	Waterfilled annulus	Unknown	Minor	Monitoring	N/A
6	Oil	Annulus	2000	Waterfilled annulus	Unknown	Minor	Monitoring	N/A
6	Injection	Annulus	2000	Waterfilled annulus	Unknown	Minor	Repair	Riser to be replaced in September 2001.
6	Oil	Annulus	2000	Waterfilled annulus	Unknown	Major	Ok	Riser replaced in September 2000.
6	Injection	Annulus	2000	Waterfilled annulus	Unknown	Major	Ok	Riser replaced in September 2000.
6	Injection	Annulus	2000	Waterfilled annulus	Not reported	Minor	Repair	Riser will be replaced in September 2001.
6	Oil	Annulus	2000	Waterfilled annulus	Unknown	Minor	Monitoring	N/A
6	Oil	Annulus	2000	Waterfilled annulus	Unknown	Minor	Monitoring	N/A
6	Oil	Annulus	2000	Waterfilled annulus	Unknown	Minor	Monitoring	N/A
6	Oil	Annulus	2000	Waterfilled annulus	Unknown	Major	Ok	Riser replaced in September 2000.
20	Oil/gas	Flange	2000	Extcorr	Not reported	Major	Repair	Det er sveist en sleeve over det skadde området. Ser på eventuelt å skifte ut en del av stigerøret ved en senere anledning.
20	Oil/gas	Flange	2000	Extcorr	Not reported	Minor	Monitoring	Blasted and repainted.
18	Oil/gas	Flange	2000	Extcorr	Not reported	Minor	Monitoring	Blasted and repainted.
18	Oil/gas	Flange	2000	Extcorr	Not reported	Minor	Ok	Blasted and repainted.
22	Oil/gas	Flange	2000	Extcorr	Not reported	Minor	Ok	Blasted and repainted.
22	Oil/gas	Flange	2000	Extcorr	Not reported	Minor	Ok	Blasted and repainted.
24	Oil	Clamp	2000	Loose	Not reported	Insignificant	Repair	Fasten loose bolts.
11	Water		2001	Leak	Hole in outer coating	Minor	Repair	Riser to be replaced, but a spare riser not available.
20	Oil/gas	Flange	2001	Extcorr	Corrosion	Minor	Repair	New bolts and nuts to be installed, repainting of corroded area, in addition to new splash zone protection. Clock spring will be installed autumn 2002.
6	Injection	Annulus	2001	Leak	Collaps of coflon layer	Major	Ok	Riser replaced during 2001.
9	Oil/gas	Coating	2001	Leak	Skadeårsak er ikke fastslått.	Minor	Ok	Det skadde røret ble skiftet ut med et nytt rør, ferdig installert 28.7.2009.
20	Oil/gas		2002	Extcorr	Corrosion	Minor	Ok	Clock spring installed in week 2 April 2002.
18	Oil/gas	Flange	2002	Extcorr	Corrosion	Minor	Ok	Clock spring installed.
14	Gas	Flange	2002	Extcorr	Corrosion	Insignificant	Repair	To be repainted June 2002.
24	Oil	Flange	2002	Extcorr	Corrosion	Minor	Repair	Sandblasting and repainting within April 2002.
24	Oil	Clamp	2002	Extcorr	Corrosion	Minor	Repair	Sandblasting and repainting within April 2002.
8	Gas lift	Coating	2002	Extcorr	Corrosion	Insignificant	Ok	Riser is sandblasted and repainted.
6	Injection		2002	Leak	Bursted outer coating	Major	Ok	Riser replaced in 2003.
6	Oil		2002	Deformation	Collaps of carcass	Major	Repair	
6	Injection		2002	Deformation	Collaps of carcass	Major	Repair	
13	Oil	Riser wall	2002	Intcorr	Bacterial corrosion	Major	Monitoring	Preventive measures; biocide treatment combined with frequent cleaning pigging. Testing of corrosion inhibitor. Emergency repair plans established.

dimension	medium	object	year	anomaly	cause	severity	status	repair
16	Water		2002	Extcorr	Not reported	Insignificant	Monitoring	Coating damage sandblasted and repainted. All neighboring piping under controlled atmosphere.
8	Oil		2003	Other	Fallen off MWA	Minor	Ok	Mid-water arch (MWA) to be brought onshore, damage part retrieved for investigation. MWA repaired. Riser put back on MWA 2.
13	Oil/gas	Coating	2003	Extcorr	Corrosion	Minor	Repair	Repair coating in corroded areas in July 2003. Remove paint, TSA and rubber coating approx. 0.5m above and 1.0m below current rubber transition.
13	Oil/gas	Coating	2003	Extcorr	Corrosion	Minor	Repair	Repair coating in corroded area in July 2003. Remove paint, TSA and rubber coating approx. 0.5m above and 1.0m below current rubber transition.
7	Gas lift	Coating	2003	Extcorr	Corrosion	Minor	Repair	Repair coating in corroded area in July 2003. Remove paint, TSA and rubber coating approx. 0.5m above and 1.0m below current rubber transition.
6	Gas lift		2003	Other	Fallen off MWA	Minor	Ok	Mid-water arch (MWA) to be brought onshore, damage part retrieved for investigation. MWA repaired. Riser put back on top of MWA 2.
6	Injection		2003	Broken	Hydrogen induced cracking	Major	Ok	Damaged bolts replaced.
6	Injection		2003	Broken	Hydrogen induced cracking	Major	Ok	Damage bolts replaced.
8	Oil	Annulus	2003	Waterfilled annulus	Not reported	Minor	Ok	N/A
6	Injection		2003	Broken	Hydrogen induced cracking.	Major	Ok	Damaged bolts replaced.
11	Water		2003	Scratch	Unknown	Minor	Ok	A repair clamp was installed December 2003.
4	Injection		2003	Other	Too long distance between buoyancy elements.	Minor	Repair	Repair by introducing extra buoyancy under planning.
10	Oil/gas	Coating	2004	Leak	Fabrication/design	Major	Ok	Riser to be brought onshore for dissection, and a new riser installed March 2005.
11	Test/kill		2005	Other	Failed bolts.	Insignificant	Repair	Repair by jacking of inner bendstiffener to original position to be performed summer 2006. Clamps installed on 10" & 12" risers (5 of) successfully in August 2005.
6	Oil	Coating	2005	Scratch	Not reported	Major	Repair	Riser to be replaced.
6	Injection		2005	Deformation	Unknown	Major	Ok	Riser replaced during 2009.
6	Oil	Coating	2005	Scratch	Unknown	Minor	Ok	Clamp installed. Scratch repaired by ROV.
3	Gas lift		2005	Hole	Lack of vent and pressure build-up in the annulus.	Minor	Evaluation	The hole has been repaired with special tape in 2005. This repair is evaluated and new repair will be undertaken.
8	Injection	Coating	2005	Leak	Skadeårsak er ikke fastslått.	Minor	Ok	Det skadde røret ble skiftet ut med ett nytt rør, ferdig installert 14.7.2009.
2	Gas lift		2006	Hole	Unknown	Major	Evaluation	The hole has been repaired with special tape in 2006. The repair is evaluated and new repair will be undertaken.
10	Gas	Coating	2006	Hole	N/A	Major	Ok	Temporary repair conducted August 2007. New riser to be installed 4. Q 2008.
13	Oil	Coating	2006	Scratch	Not reported	Minor	Repair	Repair to be conducted in 2007.
12	Oil	Coating	2006	Bulge	Movement in riser.	Insignificant	Repair	Remove coating and apply new coating 2007.
8	Oil/gas	Coating	2006	Bulge	Movement in riser.	Insignificant	Repair	Remove coating and apply new coating in 2007.

dimension	medium	object	year	anomaly	cause	severity	status	repair
10	Gas	Coating	2006	Hole	N/A	Major	Ok	Temporary repair conducted September 2007. New riser to be installed 4. Q 2008.
10	Gas	Coating	2006	Hole	N/A	Major	Ok	Temporary repair conducted August and October 2007. New riser to be installed 4. Q 2008.
12	Condensate	Coating	2006	Hole	N/A	Major	Ok	Temporary repair conducted September 2007. New riser to be installed 4. Q 2008.
36	Gas		2006	Missing	Not reported.	Minor	Evaluation	
10	Gas	Coating	2007	Hole	N/A	Major	Ok	Temporary repair conducted September 2007. New riser to be installed 4. Q 2008.
11	Gas	Flange	2007	Extcorr	Corrosion	Insignificant	Ok	Ground to 4.5mm depth.
20	Oil	Flange	2007	Extcorr	Corrosion	Insignificant	Ok	Ground to 3,5mm depth.
8	Oil	Coating	2007	Leak	Hydrate plug	Major	Repair	Further development of the Visund Nord field is not decided. If necessary the riser will be replaced.
13	Oil		2007	Extcorr	Coating damage	Minor	Ok	Further corrosion development stopped by repair of external coating damage.
10	Oil/gas		2007	Extcorr	Oxygen corrosion	Minor	Repair	Repair of riser in splash zone is planned. Riser will be put back in service when repaired.
5	Service		2008	Deformation	Collapse of carcass	Major	Evaluation	
5	Service		2008	Deformation	Collapse of carcass	Major	Evaluation	
8	Oil/gas		2008	Deformation	Collapse of carcass	Major	Evaluation	
16	Gas	Annulus	2008	Waterfilled annulus	N/A	Major	Repair	Riser to be replaced in September 2008.
16	Gas		2009	Hole	Wear.	Major	Repair	Temporary repair by clamp in August 2009. The riser will be replaced spring 2010.
6	Injection		2009	Hole	Lacking end termination plug	Major	Repair	The damage will be repaired by closing the hole in end termination.
6	Oil	Coating	2009	Hole	Unknown.	Major	Repair	The damage will be repaired when found. The use of the riser will be done on basis of dispensation for a safe period.
6	Oil	Coating	2009	Hole	Unknown	Major	Repair	The damage will be repaired by clamp.
3	Injection		2009	Other		Minor	Repair	Damage will be repaired when found.
6	Oil		2009	Hole	Lacking end termination plug.	Major	Repair	The damage will be repaired by closing the hole in end termination.
6	Oil		2009	Other	Unknown	Minor	Repair	Damage will be repaired when found.
12	Water		2009	Wear	Abrasive wear.	Major	Repair	New riser to be installed (probably during summer 2010).
12	Oil/gas		2009	Wear	Abrasive wear	Major	Repair	N/A
2	Gas lift		2009	Hole	Belived to be damaged during installation.	Minor	Evaluation	the hole has been repaired with clamp, but is presently evaluated. Awaiting the result from evaluation the riser is presently taken out of service.
11	Gas		2010	Extcorr	Gropkorrosjon	Major	Evaluation	UV måling utført og rørstyrken i forhold til skade er vurdert av DNV. Skaden er overmalt. Videre er det planlagt et oppfølgingsprogram og flytting av support.
20	Oil	Spoolpiece	2010	Extcorr	Uheldig design	Minor	Ok	Korrosjon fjernet vha sliping. Områdene er etterpå sandblåst og re-coated med Baltoflake malingssystem.
6	Oil		2010	Crack	Collapse of carcass	Major	Repair	Riser decommissioned. New riser to be installed if required for production purposes.
6	Oil		2010	Deformation	Collaps of carcass	Major	Repair	Riser is decommissioned. New riser to be installed if required for production purposes.

dimension	medium	object	year	anomaly	cause	severity	status	repair
6	Oil		2010	Deformation	Collaps of carcass	Major	Repair	Riser is decommissioned. New riser to be installed if required for production purposes.
6	Oil		2011	Hole	Carcass collaps	Major	Repair	Riser taken out of service
6	Oil		2011	Broken	Overload or fatigue	Major	Repair	Riser taken out of service.
6	Injection		2011	Deformation	Collaps of carcass	Major	Repair	Riser taken out of service
6	Oil		2011	Deformation	Collaps of carcass.	Major	Repair	Riser is decommissioned. New riser to be installed if required for production purposes.
6	Oil	Coating	2011	Leak	Carcass tear off.	Major	Ok	Riser is decommissioned. New riser installed August 2011.
6	Oil		2011	Deformation	Collapse of carcass.	Major	Repair	Riser is decommissioned. New riser to be installed if required for production purposes.
6	Oil		2011	Crack	Carcass tear.	Major	Repair	Riser is decommissioned. New riser to be installed i 2012.
2	Gas lift	Coating	2011	Hole	Unknown	Major	Ok	New repair by special cast. The repair will be followed up at yearly annulus testing.
4	Injection	Coating	2011	Hole	Penetrated by water injection clamp bolt.	Major	Ok	Leakage repaired by clamp. Status checked by yearly annulus tests and by yearly ROV inspection.
6	Oil		2011	Crack	Carcass tear.	Major	Repair	Riser is decommissioned. New riser to be installed in 2012.
6	Oil		2011	Crack	Carcass tear.	Major	Repair	Riser is decommissioned. New riser to be installed in 2013.
12	Oil	Flange	2011	Extcorr	Corrosion.	Minor	Repair	DNV analysis has confirmed fit for service with a remaining lifetime of 7.7 years. Tests has been executed to verify weld repair procedure. Repair planned for shutdown in September 2015.
9	Gas		2012	Deformation	Carcass kollaps	Major	Repair	Stigerøret er nedstengt og vil bli byttet ut. Tidspunkt for utbytting er ikke besluttet enda.
2	Gas lift		2012	Crack		Minor	Evaluation	
2	Gas lift		2012	Crack	Abrasion with I-tube wall.	Minor	Repair	Gas lift riser planned taken out of service and lift gas supplied through existing 6" riser.
2	Gas lift		2012	Crack	Abrasion with I-tube wall.	Minor	Repair	Gas lift riser planned to be taken out of service and lift gas supplied through existing 6" riser.
6	Injection		2012	Crack		Minor	Ok	
11	Water		2012	Deformation	Foreign object.	Insignificant	Ok	Pressure test performed and necessary correction actions are under consideration. Repaired in 2013.
2	Gas lift		2012	Crack	Corrosion fatigue	Minor	Evaluation	Resolution plan to be finished 1. half-year 2013.
9	Oil		2012	Deformation	Unknown	Major	Evaluation	Stigerøret er nedstengt. Det vil bli byttet ut og erstattet med et nytt stigerør.
9	Oil		2012	Deformation	Carcass kollaps.	Major	Repair	Stigerøret er nedstengt. Det vil bli byttet ut og erstattet av et nytt stigerør.
8	Oil		2012	Hole	Anchor replacement.	Minor	Repair	Clampe to be installed.
8	Gas		2012	Hole	Annulus vent problem.	Major	Ok	Riser repair clamp installed November 2012.
6	Gas		2013	Hole	Overpressurized annulus	Major	Ok	This outer sheath breach was repaired on February 17, 2014 using a Tracon clamp. Upon inspection of the breach, there was no damage to the tensile wires observed. The riser has successfully passed two annulus tests, and the repair is considered a success.
8	Gas		2013	Crack	High temperature under bending stiffener	Major	Evaluation	The outer sheath cracks will be sealed off in order to prevent oxygen ingress and hence further corrosion of the armouring layers. In addition to the repair, a system that provides the riser annulus with an overpressure in inert gas will be installed.
3	Injection	Coating	2013	Hole	Unknown	Major	Ok	Repaired by installing clamp August 2015
12	Condensate		2014	Hole	Wear	Minor	Ok	Protect riser from further wear against stone by use of mattress or sand bags. Clamp installed June 2015.

dimension	medium	object	year	anomaly	cause	severity	status	repair
15	Oil		2014	Dent	Impact.	Minor	Evaluation	N/A
2	Gas lift		2014	Crack	Unknown.	Major	Repair	The gas lift riser is planned to taken out of service and lift gas supplied through existing 6" riser.
12	Oil	Flange	2014	Extcorr	Corrosion	Minor	Repair	Weld procedure confirmed with testing. Weld repair planned in September 2015.
10	Oil/gas	Coating	2014	Hole	Damaged outer sheath	Major	Repair	T-prod riser fatigue analysis performed, new fatigue service life established. Outer sheath not possible to repair inside the guide tube.
14	Oil	Clamp	2014	Other	Low friction	Insignificant	Monitoring	N/A
14	Oil/gas	Clamp	2014	Other	Clamp is twisted.	Insignificant	Monitoring	N/A
16	Oil	Coating	2015	Hole	Wear between riser and arch tray	Major	Repair	Oil export riser to be replaced in 2016
6	Injection		2015	Hole	Unknown	Major	Repair	Riser is not in used. Will be taken onshore and reterminated if possible.
10	Oil/gas	Coating	2015	Hole	Unknown	Major	Repair	Outer sheath not possible to repair inside the guide tube
10	Gas	Coating	2015	Hole	Wear	Major	Ok	Repair method is under evaluation.
13	Oil/gas		2015	Intcorr	Intern/ekstern korrosjon.	Major	Monitoring	N/A
16	Oil/gas	Coating	2015	Hole	External sheet damage.	Major	Evaluation	Repair is under evaluation.
14	Oil/gas	Subsea conn.point	2015	Loose	The hinge pin between vertical tether and vertical	Minor	Repair	Repaired Q1 2016
6	Injection	Outer sheath	2015	Outer sheath wear	Unknown	Minor	Repair	Riser shipped to NOV Kalundborg. Outer sheath removed and new layer extruded. (Both end-fittings replaced also)
16	Gas		2016	Hole	Friksjon	Major	Repair	Tilstanden og reparasjon er utredet. Gasseksport stigerørret har tilfredsstillende integritet og kan opereres innenfor gjeldende regelverk og interne krav. Reparasjon planlegges videre. Sannsynlig metode for reoperasjon er å benytte reservestigerør.
10	Oil	End-connection	2016	Upheaval buckling		Minor	Evaluation	
10		Outer sheath	2016	Outer sheath wear	Abration	Minor	Evaluation	None as of yet. Wear elements will be mounted.
10	Water	Annulus	2017	Hole		Minor	Repair	Clamp oppdatering 6.des 2017 Repair Clamp installed
4	Oil/gas	Riser wall	2017	Hole	Wear to Guide tube wall	Minor	Repair	GLU shut down and recovered to shore. Will not be repaired.
4	Oil/gas	Riser wall	2017	Hole	Unknown	Minor	Repair	Structural assessment done. ROV-installable clamp is commissioned and will be installed this fall 2017.
12	Water	Riser wall	2017	Leak	Possible damage of inner plastic liner	Minor	Evaluation	Most likely replacement of flexible
10	Gas	Flexible Pipe Body	2017	Collape of internal fluid liner	Vacuum in bore during upsets	Minor	Monitoring	Riser is not planned for repair / replacement (like-for-like). Existing other rough-bore riser planned to be re-used as WI and connected to existing flowline by transition spool in 2018 intervention campaign.
9	Oil/gas	Outer sheath damage	2018	Hole in outer sheath	Unknown	Minor	Monitoring	Evaluation of corrosion and effectiveness of cathodic protection system remains. Method of repair is pending the evaluation.
10	Oil/gas	Outer sheath damage	2018	Hole in outer sheath	Unknown	Minor	Monitoring	Evaluation of corrosion and effectiveness of cathodic protection system remains. Method of repair is pending the evaluation.

dimension	medium	object	year	anomaly	cause	severity	status	repair
4	Oil/gas	Hole in outer sheath	2018	Outer annulus sea-water filled	Unknown	Minor	Repair	Evaluation complete, CP measurement and evaluation complete. Repair clamp installed.
8	Gas	End-connection	2018	Partial pull-out of PVDF liner	Ongoing evaluation	Minor	Evaluation	The line was already taken out of service
12	Oil/gas	Mid water arch	2019	Failure of (one) tether holding East MWA.	TBN	Minor	Repair	Ongoing securing of the buoyancy tank to prevent it from floating to the surface.
10	Injection	Flexible Pipe Body	2019	Breach in outer sheath	Annulus overpressure (tbc)	Minor	Evaluation	Ongoing evaluation.
15	Oil	-	2019	Borken tensile armore wire	Corroton and fatigue	Major	Ok	Taken out of service
12	Gas	Endfitting	2020	Gap	Mounting tolerances	Minor	Repair	Re-termination of two endfittings.
12	Gas	Endfitting	2020	Gap	Mounting tolerances	Minor	Repair	Re-termination of two endfittings.
10	Gas	WPE	2020	WPE elements & securing clamp observed at SAG bend	Securing clamp lock mechanism failure	Minor	OK	A new securing clamp with re-enhanced locking mechanism was used to secure the WPE in their place.
6	Injection	End-fitting	2020	Pressure barrier anchoring (liner holder)	Design and/or fabrication	Minor	Evaluation	Re-inspection in order to monitor development is required. Interval not determined yet.
6	Oil	End-fitting	2020	Pressure barrier anchoring (liner holder)	Design and/or fabrication	Minor	Evaluation	Re-inspection in order to monitor development is required. Interval not determined yet.
6	Injection	-	2020	Outer sheath wear	Abration	Minor	Evaluation	None as of yet. Wear elements will be mounted.
12	Condensate	Armering wire	2020	Open ventilation	Design	Minor	Evaluation	Inspection ongoing Close annulus vent with a GRV
6	Injection	Outer sheath	2020	Outer sheath wear	Abration	Minor	Evaluation	None as of yet. Wear elements will be mounted.
6	Injection	Outer sheath	2020	Outer sheath wear	Abration	Minor	Evaluation	None as of yet. Wear elements will be mounted.
10	Gas	Carcass	2020	Hydrate plug	A combination of low pressure and low temperature	Major	Evaluation	To determine the condition of the flexible pipe visual inspection and integrity test will be performed.
12	Condensate	Vertikalklammer	2020	Korrosjon	Manglende anodemasse	Insignificant	Repair	Etterinstallere anodemasse.
8	Oil/gas	End-fitting	2021	Pressure barrier anchoring (liner holder)	Design and/or fabrication	Minor	Evaluation	Re-inspection in order to monitor development is required. Interval not determined yet.
5	Service	End-fitting	2021	Pressure barrier partial pullout	Design and/or fabrication	Minor	Repair	Riser is planned to be recovered and re-terminated (new end-fitting) in both ends.

dimension	medium	object	year	anomaly	cause	severity	status	repair
5	Service	End-fitting	2021	Pressure barrier partial pullout	Design and/or fabrication	Major	Repair	Riser is planned to be recovered and re-terminated (new end-fitting) in both ends.
8	Oil/gas	End-fitting	2021	Pressure barrier anchoring (liner holder)	Design and/or fabrication	Minor	Evaluation	Re-inspection in order to monitor development is required. Interval not determined yet.