

<p align="center"><b>Rørledningsskader - Skader og hendelser fra Petroleumstilsynets CODAM database</b></p> <p align="center">Sist oppdatert: Oktober 2021</p> <p align="center">Oversikten inneholder skader og hendelser innrapportert til Petroleumstilsynets database CODAM</p>
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dimension	medium	material	object	year	anomaly	cause	severity	status	repair
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34	Oil	X60	Field-joint	1975	Leak	Trenching	Major	Ok	Pipeline repaired.
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dimension	medium	material	object	year	anomaly	cause	severity	status	repair
10,8	Gas	X52		1989	Freespan	Scour	Insignificant	Ok	NONE
10,8	Gas	X52		1989	Freespan	Scour	Insignificant	Ok	
10,8	Gas	X52		1989	Freespan	Scour	Insignificant	Ok	
10,8	Gas	X52		1989	Freespan	Scour	Insignificant	Ok	NONE
10,8	Gas	X52		1989	Freespan	Scour	Insignificant	Ok	NONE
10,8	Gas	X52		1989	Freespan	Scour	Insignificant	Ok	NONE
10,75	Gas	X52		1989	Freespan	Scour	Insignificant	Ok	NONE
10,75	Gas	X52		1989	Freespan	Scour	Insignificant	Ok	NONE
10,75	Gas	X52		1989	Freespan	Scour	Minor	Ok	NONE
10,75	Gas	X52		1989	Bare-metal	Unknown	Insignificant	Ok	NONE
8,625	Oil/gas	X60		1989	Upheaval buckling	Thermal expansion	Major	Ok	PIPELINE COVERED WITH 1" GRAVEL AND PROTECTED WITH 1,1M THICK LAYER OF 5" GRAVEL
8,625	Oil/gas	X60		1989	Upheaval buckling	Thermal expansion	Major	Ok	P/L COVERED WITH 1" GRAVEL AND PROTECTED WITH A 1,1M THICK LAYER OF 5" GRAVEL
8,625	Oil/gas	X60		1989	Upheaval buckling	Thermal expansion	Major	Ok	P/L COVERED WITH 1" GRAVEL AND PROTECTED WITH A 1.1M THICK LAYER OF 5" GRAVEL.
8,625	Oil/gas	X60	Clamp	1989	Broken	Thermal expansion	Minor	Ok	P/L COVERED WITH 1" GRAVEL AND PROTECTED WITH A 1,1M THICK LAYER OF 5" GRAVEL
8,625	Oil/gas	X60	Clamp	1989	Deflection	Thermal expansion	Minor	Ok	P/L COVERED WITH 1" GRAVEL AND PROTECTED WITH A 1,1M THICK LAYER OF 5" GRAVEL
8,625	Oil/gas	X60	Clamp	1989	Broken	Thermal expansion	Minor	Ok	P/L COVERED WITH 1" GRAVEL AND PROTECTED WITH A 1,1M THICK LAYER OF 5" GRAVEL.
8,625	Oil/gas	X60	Clamp	1989	Deflection	Thermal expansion	Minor	Ok	P/L COVERED WITH 1" GRAVEL AND PROTECTED WITH A 1,1M THICK LAYER OF 5" GRAVEL.
8,625	Oil/gas	X60	Clamp	1989	Deflection	Thermal expansion	Minor	Ok	P/L COVERED WITH 1" GRAVEL AND PROTECTED WITH A 1,1M THICK LAYER OF 5" GRAVEL
8,625	Oil/gas	X60	Clamp	1989	Deflection	Thermal expansion	Minor	Ok	P/L COVERED WITH 1" GRAVEL AND PROTECTED WITH A 1,1M THICK LAYER OF 5" GRAVEL
8,625	Oil/gas	X60		1989	Exposure	Thermal expansion	Major	Ok	P/L COVERED WITH 1" GRAVEL AND PROTECTED WITH A 1,1M THICK LAYER OF 5" GRAVEL
8,625	Oil/gas	X60		1989	Exposure	Thermal expansion	Major	Ok	P/L COVERED WITH 1" GRAVEL AND PROTECTED WITH A 1,1M THICK LAYER OF 5" GRAVEL
8,625	Oil/gas	X60		1989	Exposure	Thermal expansion	Major	Ok	PIPELINE COVERED WITH 1" GRAVEL, AND PROTECTED WITH A 1.1 M THICK LAYER OF 5" GRAVEL
8,625	Oil/gas	X60		1989	Exposure	Thermal expansion	Major	Ok	P/L COVERED WITH 1" GRAVEL AND PROTECTED WITH A 1,1M THICK LAYER OF 5" GRAVEL
8,625	Oil/gas	X60		1989	Upheaval buckling	Thermal expansion	Major	Ok	P/L COVERED WITH 1" GRAVEL AND PROTECTED WITH A 1,1M THICK LAYER OF 5" GRAVEL
8,625	Oil/gas	X60		1989	Upheaval buckling	Thermal expansion	Major	Ok	P/L COVERED WITH 1" GRAVEL AND PROTECTED WITH A 1,1M THICK LAYER OF 5" GRAVEL
8,625	Oil/gas	X60		1989	Upheaval buckling	Thermal expansion	Major	Ok	P/L COVERED WITH 1" GRAVEL AND PROTECTED BY A 1,1M THICK LAYER OF 5" GRAVEL
8,625	Oil/gas	X60		1989	Upheaval buckling	Thermal expansion	Major	Ok	P/L COVERED WITH 1" GRAVEL AND PROTECTED WITH A 1,1M THICK LAYER OF 5" GRAVEL
8,625	Oil/gas	X60		1989	Exposure	Thermal expansion	Major	Ok	P/L COVERED WITH 1" GRAVEL AND PROTECTED WITH A 1,1M THICK LAYER OF 5" GRAVEL
8,625	Oil/gas	X60		1989	Exposure	Thermal expansion	Major	Ok	P/L COVERED WITH 1" GRAVEL AND PROTECTED WITH A 1,1M THICK LAYER OF 5" GRAVEL

dimension	medium	material	object	year	anomaly	cause	severity	status	repair
8,625	Oil/gas	X60		1989	Exposure	Thermal expansion	Major	Ok	P/L COVERED WITH 1" GRAVEL AND PROTECTED WITH A 1,1M THICK LAYER OF 5" GRAVEL
20	Oil	X60		1990	Freespan	Scour	Minor	Ok	
20	Oil	X60		1990	Debris	Unknown	Insignificant	Ok	
10,75	Gas	X52		1990	Freespan	Scour	Insignificant	Ok	NONE REQUIRED
10,75	Gas	X52		1990	Freespan	Scour	Insignificant	Ok	NONE REQUIRED.
10,75	Gas	X52		1990	Freespan	Scour	Insignificant	Ok	NONE REQUIRED
10,75	Gas	X52		1990	Freespan	Scour	Insignificant	Ok	NONE REQUIRED
10,75	Gas	X52		1990	Freespan	Scour	Insignificant	Ok	NONE REQUIRED
10,75	Gas	X52		1990	Freespan	Scour	Insignificant	Ok	NONE REQUIRED
10,75	Gas	X52		1990	Freespan	Scour	Insignificant	Ok	NONE REQUIRED
10,75	Gas	X52		1990	Freespan	Scour	Insignificant	Ok	NONE REQUIRED
10,75	Gas	X52		1990	Freespan	Scour	Insignificant	Ok	NONE REQUIRED
10,75	Gas	X52		1990	Freespan	Scour	Insignificant	Ok	NONE REQUIRED
6	Oil/gas	Coflex		1990	Leak	Installation	Major	Ok	CUT BACK
10,75	Gas	X65	CARRIER PIPE 24"	1990	Freespan	Scour	Minor	Ok	GRAVEL DUMPING ON ENTIRE LENGTH OF CARRIER PIPE LESS 30M AT EXTREMITIES AND 15M AROUND EACH VENT VALVE.
6	Oil/gas	Coflex		1991	Leak	Buckling	Major	Ok	DAMAGED SECTION REPLACED.
9,300000191	Gas	X65	T-Connection	1991	Scour	Scour	Major	Ok	JACKED TO LEVEL POS. GROUT INJECTION UNDERNEATH MUD MATS AND GROUT BAGS. ROCK DUMPING.
9,300000191	Gas	X65	T-Connection	1991	Leak	Maintenance	Major	Ok	LEAKING VALVE TREE REPLACED BY BLEED VALVE. NEW HYDRAULIC ACTUATOR INSTALLED. COMPLETED 2.2.92
30	Gas	X65	T-Connection	1991	Scour	Scour	Major	Ok	GROUT INJECTION AROUND/UNDERNEATH PROTECTION COVER GROUTBAGS AND MUD MATS. ROCK DUMPING.
36	Gas	X65		1991	Debris	Mine anchors	Insignificant	Ok	N/A
6,5	Test/kill	Duplex	Matress	1991	Exposure	Trawling	Minor	Ok	NEW MATRESSES INSTALLED.
9	Gas	Duplex	Matress	1991	Exposure	Trawling	Minor	Ok	NEW MATRESSES INSTALLED
10,75	Gas	X52		1991	Freespan	Scour	Insignificant	Ok	NONE REQUIRED
10,75	Gas	X52		1991	Freespan	Scour	Insignificant	Ok	NONE REQUIRED
10,75	Gas	X52		1991	Freespan	Scour	Insignificant	Ok	NONE REQUIRED
10,75	Gas	X52		1991	Freespan	Scour	Insignificant	Ok	NONE REQUIRED
10,75	Gas	X52		1991	Freespan	Scour	Insignificant	Ok	NONE REQUIRED
10,75	Gas	X52		1991	Freespan	Scour	Insignificant	Ok	NONE REQUIRED
18	Oil/gas	X52		1991	Freespan	Scour	Minor	Ok	Gravel dumped.
36	Gas	X60		1991	Exposure	Scour	Insignificant	Ok	None
36	Gas	X60		1991	Exposure	Scour	Insignificant	Ok	None
36	Gas	X60		1991	Exposure	Scour	Insignificant	Ok	None
24	Oil	X52		1991	Freespan	Scour	Minor	Ok	Gravel dumped.
30	Gas	X52		1991	Freespan	Scour	Minor	Monitoring	Sandbag support installed
24	Gas	X52		1991	Freespan	Scour	Minor	Ok	Gravel dumped.
24	GAS	X52		1991	Freespan	Scour	Minor	Ok	Gravel dumped.
34	Oil	X60		1991	Freespan	Scour	Insignificant	Ok	GRAVELDUMPING PERFORMED.
10,75	Gas	X52		1991	Freespan	Scour	Minor	Ok	INSTALLED SANDBAG SUPPORT
34	Oil	X60		1991	Freespan	Scour	Insignificant	Ok	GRAVELDUMPING PERFORMED

dimension	medium	material	object	year	anomaly	cause	severity	status	repair
34	Oil	X60		1991	Freespan	Scour	Insignificant	Ok	GRAVELDUMPING PERFORMED
34	Oil	X60		1991	Freespan	Scour	Insignificant	Ok	GRAVELDUMPING PERFORMED
34	Oil	X60		1991	Freespan	Scour	Insignificant	Ok	GRAVELDUMPING PERFORMED
34	Oil	X60		1991	Freespan	Scour	Insignificant	Ok	GRAVELDUMPING PERFORMED
34	Oil	X60		1991	Freespan	Scour	Insignificant	Ok	GRAVEL DUMPING PERFORMED.
34	Oil	X60		1991	Freespan	Scour	Insignificant	Ok	GRAVELDUMPING PERFORMED
20	Oil	X60		1991	Freespan	Scour	Minor	Ok	None
34	Oil	X60		1991	Freespan	Scour	Insignificant	Ok	GRAVELDUMPING PERFORMED
6,5	Test/kill	Duplex		1991	Freespan	Scour	Minor	Ok	NONE
20	Oil	X60		1991	Freespan	Scour	Minor	Ok	None
20,0	Oil	X60		1991	Freespan	Scour	Minor	Ok	None
34	Oil	X60		1991	Coating	Unknown	Insignificant	Ok	None
36	Gas	X60		1991	Coating	Unknown	Insignificant	Ok	None
36	Gas	X60		1991	Coating	Unknown	Insignificant	Ok	None
36	Gas	X60		1991	Coating	Unknown	Insignificant	Ok	None
36	Gas	X60		1991	Coating	Unknown	Insignificant	Ok	None
36	Gas	X60		1991	Bare-metal	Unknown	Minor	Ok	None
24	Oil	X52		1991	Bare-metal	Unknown	Insignificant	Ok	None
6,625	Injection	X60		1991	Freespan	Scour	Minor	Ok	Natural backfill
16	Oil/gas	Rilsan		1992	Intcorr	Water	Minor	Ok	Pipeline replaced with flexible pipeline August 1995.
16	Oil/gas	Rilsan		1992	Intcorr	Water	Minor	Ok	Pipe replaced by 16" flexible pipeline.
16	Oil/gas	Rilsan		1992	Intcorr	Water	Minor	Ok	NO REPAIR. SEE REMARKS Pipeline replaced with flexible pipeline August 1995
16	Oil/gas	Rilsan		1992	Intcorr	Water	Minor	Ok	NO REPAIR. SEE REMARKS FOR CORRECTIVE ACTIONS. Pipeline replaced by flexible pipeline August 1995
6	Oil/gas	Coflex		1992	Upheaval buckling	Not reported	Minor	Ok	MATRESSES INSTALLED ON TOP OF BUCKLING AREA.
36	Oil	X60	VALVE	1992	Leak	Human error	Major	Ok	VALVE CLOSED BY DIVER
10,75	Gas	X65	CARRIER PIPE 24"	1992	Freespan	Scour	Minor	Ok	GRAVEL DUMPING ON ENTIRE LENGTH OF CARRIER PIPE LESS 30M AT EXTREMITIES AND 15M AROUND EACH VENT VALVE.
8	Oil	PVDF		1992	Leak	Fatigue	Major	Ok	Pagoflex pipeline replaced.
10,75	Gas	X52		1992	Freespan	Scour	Insignificant	Ok	None (NATURAL BACKFILL)
10,75	Gas	X52		1992	Freespan	Scour	Insignificant	Ok	None (NATURAL BACKFILL)
34	Oil	X60		1992	Freespan	Scour	Insignificant	Ok	None (NATURAL BACKFILL '92)
34	Oil	X60		1992	Freespan	Scour	Insignificant	Ok	None (NATURAL BACKFILL '92)
18	Oil/gas	X52		1992	Freespan	Scour	Insignificant	Ok	None (NATURAL BACKFILL)
10,75	Gas	X52		1992	Freespan	Scour	Insignificant	Ok	None (NATURAL BACKFILL)
10,75	Gas	X52		1992	Freespan	Scour	Insignificant	Ok	None (NATURAL BACKFILL)
34	Oil	X60		1992	Freespan	Scour	Insignificant	Ok	None (NATURAL BACKFILL '92)
34	Oil	X60		1992	Freespan	Scour	Insignificant	Ok	None (NATURAL BACKFILL '92)
10,75	Gas	X52		1992	Freespan	Scour	Insignificant	Ok	None (NATURAL BACKFILL)
34	Oil	X60		1992	Freespan	Scour	Insignificant	Ok	None (NATURAL BACKFILL '92)
34	Oil	X60		1992	Freespan	Scour	Insignificant	Ok	None (NATURAL BACKFILL '92)
34	Oil	X60		1992	Freespan	Scour	Insignificant	Ok	None (NATURAL BACKFILL '92)
34	Oil	X60		1992	Freespan	Scour	Insignificant	Ok	None (NATURAL BACKFILL '92)

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dimension	medium	material	object	year	anomaly	cause	severity	status	repair
36	Gas	X60		1992	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
36	Gas	X60		1992	Wall thickness	External metal loss	Minor	Monitoring	N/A
36	Gas	X60		1992	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
36	Gas	X60		1992	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
36	Gas	X60		1992	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
36	Gas	X60		1992	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
36	Gas	X60		1992	Wall thickness	External metal loss	Minor	Monitoring	N/A
36	Gas	X60		1992	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
36	Gas	X60		1992	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
36	Gas	X60		1992	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
36	Gas	X60		1992	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
36	Gas	X60		1992	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
36	Gas	X60		1992	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
36	Gas	X60		1992	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
36	Gas	X60		1992	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
36	Gas	X60		1992	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
8	Gas	PVDF		1993	Leak	Fatigue	Major	Ok	PIPE REPLACED
40	Gas	X65		1993	Freespan	Scour	Minor	Monitoring	
12,75	Gas	X46		1993	Intcorr	Unknown	Minor	Ok	NONE
16	Oil/gas	Rilsan		1993	Intcorr	Water/temperature	Major	Ok	Pipeline replaced by 16" flexible pipeline August 1995
10	Gas	X60		1993	Debris	Boulder	Minor	Ok	Boulder stabilized by gravel dumping Jan./Feb. 1994.
10	Gas	X60		1993	Freespan	Scour	Major	Evaluation	
10	Gas	X60		1993	Freespan	Scour	Major	Ok	
3	Service	Coflex		1993	Exposure	Unknown	Minor	Ok	Covered with gravel.
0	Umbilical			1993	Exposure	Scour	Minor	Ok	Covered with gravel.
0	Umbilical			1993	Exposure	Scour	Minor	Ok	Covered with gravel.
8	Oil	PVDF	CORRU. LINER	1993	Crack	Fatigue	Major	Ok	PAGOFLEX LINE REPLACED BY INSTALLING COFLEXIP LINE
8	Oil	PVDF	CORRU.LINE	1993	Crack	Fatigue	Major	Ok	PAGOFLEX LINE REPLACED COFLEXIP.
8	Oil	PVDF	CORRU.LINE R	1993	Crack	Fatigue	Major	Ok	PAGOFLEX LINE REPLACED BY COFLEX LINE IN AUGUST 1994
9,300000191	Gas	X65	T-Connection	1993	Leak	Unknown	Minor	Ok	CLAMP INSTALLED OVER LEAKAGE AREA. FILLED WITH COLOURED INHIBITOR. INSTALLATION AND TESTING IN WEEK 35.
30	Gas	X65	T-Connection	1993	Leak	ROV impact	Insignificant	Ok	GREASE NIPPLE TIGHTENED BY DIVERS
10,75	Gas	X52		1993	Freespan	Scour	Minor	Ok	
10,75	Fuel gas	X52		1994	Freespan	Scour	Minor	Monitoring	N/A
24	Oil/gas	X60		1994	Freespan	Scour	Insignificant	Ok	GRAVELDUMP UTILISING MS SANDPIPER
12,75	Gas	X46		1994	Freespan	Scour	Minor	Ok	GRAVELDUMPED.
12,75	Gas	X46		1994	Freespan	Scour	Minor	Ok	GRAVELDUMPED.
20	Oil	X60		1994	Freespan	Scour	Minor	Ok	
10,75	Oil	X46		1994	Freespan	Scour	Minor	Monitoring	NONE
10,75	Oil	X46		1994	Freespan	Scour	Minor	Monitoring	NONE
24	Oil	X52		1994	Freespan	Scour	Minor	Monitoring	
30	Gas	X52		1994	Freespan	Scour	Insignificant	Ok	GRAVELDUMP UTILISING MS SANDPIPER
6,5	Test/kill	Duplex		1994	Freespan	Scour	Minor	Monitoring	NONE
9	Gas	Duplex		1994	Freespan	Scour	Minor	Monitoring	NONE
9	Gas	Duplex		1994	Freespan	Scour	Minor	Monitoring	NONE



dimension	medium	material	object	year	anomaly	cause	severity	status	repair
6,5	Test/kill	Duplex		1994	Freespan	Scour	Minor	Monitoring	NONE
10	Gas	X60		1994	Freespan	Scour	Minor	Ok	
10	Gas	X60		1994	Freespan	Scour	Minor	Monitoring	
10	Gas	X60		1994	Freespan	Scour	Minor	Evaluation	
10	Gas	X60		1994	Freespan	Scour	Minor	Evaluation	
8	Water	Coflex		1994	Exposure	Scour	Minor	Ok	AREA COVERED WITH GRAVEL JULY 1994
3	Service	Coflex		1994	Exposure	Scour	Minor	Ok	AREA COVERED WITH GRAVEL JULY 1994.
3	Service	Coflex		1994	Exposure	Scour	Minor	Ok	EXPOSED AREA COVERED WITH GRAVEL JULY 1994
10,75	Gas	X52		1994	Freespan	Scour	Major	Ok	STABILIZED BY USE OF GROUT BAG TECHNIQUE.
10,75	Gas	X52		1994	Freespan	Scour	Minor	Ok	
20	Condensate	X60		1994	Debris	Drifting mine	Minor	Ok	Mine removed summer 1994.
20	Condensate	X60		1994	Freespan	Scour	Minor	Monitoring	
20	Condensate	X60		1994	Freespan	Scour	Minor	Monitoring	1998: No development. 1999: The span is 1m shorter and 0,1m lower than last year.
20	Condensate	X60		1994	Freespan	Scour	Minor	Monitoring	1998: Freespan has been 3m longer since last year.
20	Condensate	X60		1994	Freespan	Scour	Minor	Monitoring	
20	Condensate	X60		1994	Freespan	Scour	Minor	Monitoring	1999: The span has become 11m meter longer since last survey.
8	Oil	PVDF		1994	Leak	Coflon layer shrinkage	Major	Ok	Pipeline replaced.
16	Oil	X52		1994	Freespan	Lack of backfill	Minor	Ok	
16	Oil	X52		1994	Freespan	Lack of backfill	Minor	Ok	
10,75	Oil/gas	X52		1994	Freespan	Scour	Insignificant	Ok	ROCKDUMPED 1994.
10,75	Oil	X46		1994	Freespan	Scour	Minor	Monitoring	NONE
10,75	Oil	X46		1994	Freespan	Scour	Minor	Ok	NONE
10,75	Oil	X46		1994	Freespan	Scour	Minor	Monitoring	NONE
12,75	Oil	X52		1994	Freespan	Scour	Minor	Monitoring	NONE
12,75	Gas	X46		1994	Freespan	Scour	Minor	Ok	
12,75	Gas	X46		1994	Freespan	Scour	Minor	Ok	GRAVELDUMPED.
12,75	Oil	X52		1994	Freespan	Scour	Minor	Monitoring	NONE
34	Oil	X60		1994	Freespan	Scour	Insignificant	Monitoring	
10,75	Gas	X52		1994	Freespan	Scour	Minor	Ok	
10,75	Gas	X52		1994	Freespan	Scour	Insignificant	Ok	ROCKDUMPED
30	Gas	X52		1994	Freespan	Scour	Minor	Ok	GRAVELDUMPED
10,75	Gas	X52		1994	Freespan	Scour	Minor	Ok	ROCKDUMPED
9	Gas	Duplex		1994	Freespan	Scour	Minor	Monitoring	NONE
10,75	Gas	X52		1994	Freespan	Scour	Minor	Ok	ROCKDUMPED AUGUST 1994
10,75	Gas	X52		1994	Freespan	Scour	Minor	Ok	ROCKDUMPED AUGUST 1994
10,75	Gas	X52		1994	Freespan	Scour	Minor	Ok	ROCKDUMPED AUGUST 1994
20	Oil	X60		1994	Freespan	Scour	Minor	Ok	NONE (NATURAL BACKFILL)
40	Gas	X65		1994	Freespan	Scour	Minor	Monitoring	NOT DEEMED NECESSARY AT PRESENT. OK FOR SHORT TERM.
40	Gas	X65		1994	Freespan	Scour	Minor	Monitoring	NOT DEEMED NECESSARY AT PRESENT. OK FOR SHORT TERM.
20	Condensate	X60		1994	Freespan	Scour	Minor	Monitoring	1998: Freespan has been 2m longer since last year. 1999: No development.
20	Condensate	X60		1994	Freespan	Scour	Minor	Monitoring	
20	Condensate	X60		1994	Freespan	Scour	Minor	Monitoring	1998: No development. 1999: Span length reduced with 2m since last survey.

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dimension	medium	material	object	year	anomaly	cause	severity	status	repair
32	Gas	X65		1996	Intcorr	Corrosion	Minor	Monitoring	
32	Gas	X65		1996	Intcorr	Corrosion	Minor	Monitoring	
32	Gas	X65		1996	Intcorr	Corrosion	Major	Monitoring	
32	Gas	X65		1996	Intcorr	Corrosion	Major	Monitoring	
32	Gas	X65		1996	Intcorr	Corrosion	Minor	Monitoring	
32	Gas	X65		1996	Intcorr	Corrosion	Minor	Monitoring	
32	Gas	X65		1996	Intcorr	Corrosion	Major	Monitoring	
32	Gas	X65		1996	Intcorr	Corrosion	Minor	Monitoring	
32	Gas	X65		1996	Intcorr	Corrosion	Minor	Monitoring	
32	Gas	X65		1996	Intcorr	Corrosion	Insignificant	Monitoring	
32	Gas	X65		1996	Intcorr	Corrosion	Insignificant	Monitoring	
32	Gas	X65		1996	Extcorr	Corrosion	Minor	Monitoring	
32	Gas	X65		1996	Extcorr	Corrosion	Minor	Monitoring	
32	Gas	X65		1996	Extcorr	Corrosion	Major	Monitoring	
32	Gas	X65		1996	Extcorr	Corrosion	Minor	Monitoring	
32	Gas	X65		1996	Extcorr	Corrosion	Major	Monitoring	
32	Gas	X65		1996	Extcorr	Corrosion	Major	Monitoring	
12,75	Oil	X52		1996	Freespan	Scour	Minor	Monitoring	NONE
10,75	Oil	X46		1996	Freespan	Scour	Minor	Monitoring	NONE
18	Oil/gas	X52		1996	Freespan	Scour	Minor	Monitoring	TO BE MONITORED
10,75	Gas	X52		1996	Freespan	Scour	Minor	Ok	NONE
10,75	Gas	X52		1996	Freespan	Scour	Minor	Ok	NONE
8,625	Gas lift	Coflex		1996	Freespan	Scour	Minor	Monitoring	TO BE MONITORED
8,625	Gas lift	Coflex		1996	Freespan	Scour	Minor	Monitoring	TO BE MONITORED
8,625	Gas lift	Coflex		1996	Freespan	Scour	Minor	Monitoring	TO BE MONITORED
10,75	Gas	X52		1996	Freespan	Scour	Minor	Ok	NATURAL BACKFILL
12,75	Gas	X46		1996	Freespan	Scour	Insignificant	Ok	NATURAL BACKFILL, MAX SUBSPAN = 9 M
10	Gas	X60		1996	Freespan	Scour	Minor	Ok	Gravel dumped.
10	Gas	X60		1996	Freespan	Scour	Minor	Ok	Gravel dumped.
36	Gas	X65	Coating	1996	Scratch	Anchor wire	Insignificant	Ok	N/A
36	Gas	X65	Coating	1996	Scratch	Anchor wire	Insignificant	Ok	N/A
28	Gas	X65		1996	Debris	Drifting mine	Minor	Ok	The mine was detonated on 11 November 1996.
36	Gas	X60		1996	Bare-metal	Coating damage	Insignificant	Ok	None.
36	Gas	X60		1996	Bare-metal	Coating damage	Insignificant	Ok	None.
9	Oil/gas	X65		1996	Debris	Trawling	Insignificant	Ok	N/A.
16	Condensate	X52		1996	Freespan	Scour	Minor	Ok	None required. See remarks.
16	Condensate	X52		1996	Freespan	Scour	Minor	Ok	None required. Reanalysis of local conditions confirmed that 39m is acceptable.
8	Oil/gas	Coflex		1996	Leak	Ageing	Major	Ok	Flexible pipe cut and 16,5 m long duplex pipe installed November 1996.
6	Oil/gas	Coflex		1996	Leak	Unknown	Insignificant	Ok	
20	Condensate	X60		1996	Freespan	Scour	Minor	Monitoring	N/A. See remarks.
20	Condensate	X60		1996	Freespan	Scour	Minor	Ok	N/A. Se remarks.
20	Condensate	X60		1996	Freespan	Scour	Minor	Ok	N/A. See remarks.
20	Condensate	X60		1996	Freespan	Scour	Minor	Ok	N/A. See remarks
20	Condensate	X60		1996	Freespan	Scour	Minor	Monitoring	N/A. See remarks
20	Condensate	X60		1996	Freespan	Scour	Minor	Ok	N/A. See remarks.

dimension	medium	material	object	year	anomaly	cause	severity	status	repair
20	Condensate	X60		1996	Freespan	Scour	Minor	Ok	N/A. See remarks.
20	Condensate	X60		1996	Freespan	Scour	Minor	Monitoring	N/A. See remarks.
20	Condensate	X60		1996	Freespan	Scour	Minor	Monitoring	N/A. See remarks.
20	Condensate	X60		1996	Freespan	Scour	Minor	Monitoring	N/A. See remarks.
20	Condensate	X60		1996	Freespan	Scour	Minor	Monitoring	N/A. See remarks.
40	Gas	X65		1996	Freespan	Scour	Minor	Ok	N/A See remarks.
40	Gas	X65		1996	Freespan	Scour	Minor	Ok	N/A. See remarks.
36	Gas	X60		1996	Freespan	Scour	Insignificant	Ok	Stabilized by rock dumping October 1996.
4	Glycol	X65		1996	Debris	Boulder	Insignificant	Ok	No remedial action deemed necessary.
40	Gas	X65		1996	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
40	Gas	X65		1996	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
40	Gas	X65		1996	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
40	Gas	X65		1996	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
40	Gas	X65		1996	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
40	Gas	X65		1996	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
40	Gas	X65		1996	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
40	Gas	X65		1996	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
40	Gas	X65		1996	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
40	Gas	X65		1996	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
40	Gas	X65		1996	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
40	Gas	X65		1996	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
40	Gas	X65		1996	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
40,0	Gas	X65		1996	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
40,0	Gas	X65		1996	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
34	Oil	X60		1997	Intcorr	Not reported	Minor	Monitoring	N/A
34	Oil	X60		1997	Intcorr	Not reported	Major	Monitoring	N/A
34	Oil	X60		1997	Intcorr	Not reported	Minor	Monitoring	N/A
34	Oil	X60		1997	Intcorr	Not reported	Minor	Monitoring	N/A
9,0	Gas	Duplex		1997	Freespan	Not reported	Insignificant	Monitoring	N/A
9,0	Gas	Duplex		1997	Freespan	Not reported	Insignificant	Monitoring	N/A
9	Gas	Duplex		1997	Freespan	Not reported	Insignificant	Monitoring	N/A
9	Gas	Duplex		1997	Freespan	Not reported	Insignificant	Monitoring	N/A
6,5	Test/kill	Duplex		1997	Freespan	Not reported	Insignificant	Monitoring	N/A
6,5	Test/kill	Duplex		1997	Freespan	Not reported	Insignificant	Monitoring	N/A
8,625	Gas lift	Coflex		1997	Freespan	Scour	Minor	Monitoring	
10,75	Fuel gas	X52		1997	Extcorr	Not reported	Major	Monitoring	N/A
22	Oil/gas	X52		1997	Intcorr	Not reported	Minor	Monitoring	N/A
22	Oil/gas	X52		1997	Intcorr	Not reported	Minor	Monitoring	N/A
22	Oil/gas	X52		1997	Intcorr	Not reported	Minor	Monitoring	N/A
22	Oil/gas	X52		1997	Intcorr	Not reported	Minor	Monitoring	N/A
22	Oil/gas	X52		1997	Intcorr	Not reported	Major	Monitoring	N/A
22	Oil/gas	X52		1997	Intcorr	Not reported	Major	Monitoring	N/A
22	Oil/gas	X52		1997	Intcorr	Not reported	Minor	Monitoring	N/A
12,75	Oil	X52		1997	Freespan	Not reported	Insignificant	Monitoring	N/A
14	Gas	X52		1997	Freespan	Not reported	Insignificant	Monitoring	N/A
10,75	Oil	X46		1997	Freespan	Not reported	Insignificant	Monitoring	N/A

dimension	medium	material	object	year	anomaly	cause	severity	status	repair
10,75	Oil	X46		1997	Freespan	Not reported	Insignificant	Monitoring	N/A
10,75	Oil	X46		1997	Freespan	Not reported	Insignificant	Monitoring	N/A
10,75	Oil	X46		1997	Freespan	Not reported	Insignificant	Monitoring	N/A
10,75	Oil	X46		1997	Freespan	Not reported	Insignificant	Monitoring	N/A
12,75	Gas	X46		1997	Freespan	Not reported	Insignificant	Monitoring	N/A
12,75	Gas	X46		1997	Freespan	Not reported	Insignificant	Monitoring	N/A
12,75	Gas	X46		1997	Freespan	Not reported	Insignificant	Monitoring	N/A
18	Oil/gas	X52		1997	Freespan	Not reported	Insignificant	Monitoring	N/A
24	Oil	X52		1997	Freespan	Not reported	Insignificant	Monitoring	N/A
40	Gas	X65		1997	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X60		1997	Wall thickness	Internal metal loss	Minor	Monitoring	
36	Gas	X60		1997	Wall thickness	Internal metal loss	Minor	Monitoring	
36	Gas	X60		1997	Wall thickness	Fabrication	Major	Monitoring	
36	Gas	X60		1997	Crack	Not reported	Major	Monitoring	
36	Gas	X60		1997	Crack	Not reported	Major	Monitoring	
36	Gas	X60		1997	Crack	Not reported	Minor	Monitoring	
40	Gas	X65	Field-joint	1997	Bare-metal	Poor concrete material	Minor	Monitoring	Rock dumped. Will be stabbed during 2010 survey.
40	Gas	X65	Field-joint	1997	Bare-metal	Poor concrete material	Minor	Ok	Rock dumped.
40	Gas	X65	Field-joint	1997	Bare-metal	Poor concrete material	Minor	Ok	Rock dumped.
10	Oil/gas	13% Cr	Field-joint	1997	Coating	Not reported	Insignificant	Monitoring	
10	Oil/gas	13% Cr		1997	Coating	Not reported	Insignificant	Monitoring	
36	Gas	X65		1997	Freespan	Scour	Minor	Evaluation	N/A
36	Gas	X65		1997	Freespan	Scour	Minor	Evaluation	N/A
36	Gas	X65		1997	Freespan	Scour	Minor	Evaluation	N/A
36	Gas	X65		1997	Freespan	Scour	Minor	Evaluation	N/A
36	Gas	X65		1997	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1997	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1997	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1997	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1997	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1997	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1997	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1997	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1997	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1997	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1997	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1997	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1997	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1997	Freespan	Scour	Major	Monitoring	N/A
36	Gas	X65		1997	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1997	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1997	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1997	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1997	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1997	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1997	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1997	Freespan	Scour	Major	Monitoring	N/A
36	Gas	X65		1997	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1997	Freespan	Scour	Minor	Monitoring	N/A



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dimension	medium	material	object	year	anomaly	cause	severity	status	repair
16	Water	X60		1997	Intcorr	Not reported	Minor	Monitoring	N/A
16	Water	X60		1997	Intcorr	Not reported	Minor	Monitoring	N/A
16	Gas	X65		1997	Freespan	Waterfilled pipeline during trenching	Minor	Ok	N/A.
16	Gas	X65		1997	Freespan	Waterfilled pipeline during trenching	Minor	Ok	N/A
16	Gas	X65		1997	Freespan	Waterfilled pipeline during trenching	Minor	Ok	1999: Gravel dumping planned for February 2000. 2000: Freespan recitification completed.
16	Gas	X65		1997	Freespan	Waterfilled pipeline during trenching	Minor	Ok	1999: Gravel dumping planned for February 2000. 2000: Freespan recitification completed.
16	Gas	X65		1997	Freespan	Waterfilled pipeline during trenching	Minor	Ok	1999: Gravel dumping planned for February 2000. 2000: Freespan recitification completed.
16	Gas	X65		1997	Freespan	Waterfilled pipeline during trenching	Minor	Ok	1999: Gravel dumping planned for February 2000.
16	Gas	X65		1997	Freespan	Waterfilled pipeline during trenching	Minor	Ok	N/A.
16	Gas	X65		1997	Freespan	Waterfilled pipeline during trenching	Minor	Ok	N/A.
16	Gas	X65		1997	Freespan	Waterfilled pipeline during trenching	Minor	Ok	1999: Gravel dumping planned for February 2000. 2000: Freespan recitification completed.
16	Gas	X65		1997	Freespan	Waterfilled pipeline during trenching	Minor	Ok	1999: Gravel dumping planned for February 2000. 2000: Freespan recitification completed.
16	Gas	X65		1997	Freespan	Waterfilled pipeline during trenching	Minor	Ok	N/A.
16	Gas	X65		1997	Freespan	Waterfilled pipeline during trenching	Minor	Ok	1999: Gravel dumping planned for February 2000.
16	Gas	X65		1997	Freespan	Waterfilled pipeline during trenching	Minor	Ok	N/A.
16	Gas	X65		1997	Freespan	Waterfilled pipeline during trenching	Minor	Ok	N/A.
16	Gas	X65		1997	Freespan	Waterfilled pipeline during trenching	Minor	Ok	1999: Gravel dumping planned for February 2000. 2000: Freespan recitification completed.
16	Gas	X65		1997	Freespan	Waterfilled pipeline during trenching	Minor	Ok	N/A.
16	Gas	X65		1997	Freespan	Waterfilled pipeline during trenching	Minor	Ok	N/A.
16	Gas	X65		1997	Freespan	Waterfilled pipeline during trenching	Minor	Ok	N/A.
16	Gas	X65		1997	Freespan	Waterfilled pipeline during trenching	Minor	Ok	N/A.
16	Gas	X65		1997	Freespan	Waterfilled pipeline during trenching	Minor	Ok	1999: Gravel dumping planned for February 2000. 2000: Freespan recitification completed.
16	Gas	X65		1997	Freespan	Waterfilled pipeline during trenching	Minor	Ok	N/A.
16	Gas	X65		1997	Freespan	Waterfilled pipeline during trenching	Minor	Ok	N/A.
16	Gas	X65		1997	Freespan	Waterfilled pipeline during trenching	Minor	Ok	N/A.
16	Gas	X65		1997	Freespan	Waterfilled pipeline during trenching	Minor	Ok	N/A.
16	Gas	X65		1997	Freespan	Waterfilled pipeline during trenching	Minor	Ok	1999: Gravel dumping planned for February 2000. 2000: Freespan recitification completed.
16	Gas	X65		1997	Freespan	Waterfilled pipeline during trenching	Minor	Ok	N/A.
16	Gas	X65		1997	Freespan	Waterfilled pipeline during trenching	Minor	Ok	N/A.
16	Gas	X65	Coating	1997	Spalling	Loss of concrete coating	Insignificant	Monitoring	N/A
16	Gas	X65	Coating	1997	Spalling	Loss of concrete coating	Insignificant	Ok	Repair is not considered necassary.
40	Gas	X65		1997	Freespan	Not reported	Minor	Monitoring	N/A

dimension	medium	material	object	year	anomaly	cause	severity	status	repair
20,0	Condensate	X60		1997	Freespan	Scour	Minor	Monitoring	N/A
10	Gas	X60		1997	Freespan	Scour	Minor	Monitoring	N/A
				1997	Leak	Insufficient tightening	Minor	Repair	ISU 1 will be replaced next year (1998).
10	Water	Coflex		1997	Exposure	Movement	Insignificant	Ok	Covered with sand bags.
10	Water	Coflex		1997	Exposure	Movement	Insignificant	Ok	Covered with sandbags.
10,75	Gas	X52		1997	Freespan	Not reported	Insignificant	Monitoring	N/A
10,75	Gas	X52		1997	Freespan	Not reported	Insignificant	Monitoring	N/A
10,75	Gas	X52		1997	Freespan	Not reported	Insignificant	Monitoring	N/A
10,75	Gas	X52		1998	Freespan	Not reported	Insignificant	Monitoring	N/A
18	Oil/gas	X52		1998	Exposure	Vertical deflection	Insignificant	Monitoring	N/A
10	Gas	X60		1998	Freespan	Scour	Insignificant	Monitoring	N/A
10,0	Gas	X60		1998	Freespan	Scour	Insignificant	Monitoring	N/A
10,0	Gas	X60		1998	Freespan	Scour	Insignificant	Monitoring	N/A
10,0	Gas	X60		1998	Freespan	Scour	Insignificant	Monitoring	N/A
10	Gas	X60		1998	Freespan	Scour	Minor	Monitoring	N/A
10	Gas	X60		1998	Freespan	Scour	Insignificant	Monitoring	N/A
18	Oil/gas	X52	Hydrocouple	1998	Leak	Temperature effects	Major	Ok	N/A
20	Oil	X52		1998	Deflection	Subsidence	Major	Ok	
36	Gas	X65		1998	Freespan	Scour	Major	Ok	N/A
36	Gas	X65		1998	Freespan	Scour	Minor	Ok	N/A
36	Gas	X65		1998	Freespan	Scour	Minor	Ok	N/A
36	Gas	X65		1998	Freespan	Scour	Minor	Ok	N/A
36	Gas	X65		1998	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1998	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1998	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1998	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1998	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1998	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1998	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1998	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1998	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1998	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1998	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1998	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1998	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1998	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1998	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1998	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1998	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1998	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1998	Freespan	Scour	Major	Monitoring	N/A
36	Gas	X65		1998	Freespan	Scour	Major	Monitoring	N/A
36	Gas	X65		1998	Freespan	Scour	Major	Monitoring	N/A
36	Gas	X65		1998	Freespan	Scour	Major	Monitoring	N/A
36	Gas	X65		1998	Freespan	Scour	Minor	Monitoring	N/A
36	Gas	X65		1998	Freespan	Scour	Major	Monitoring	N/A

dimension	medium	material	object	year	anomaly	cause	severity	status	repair
0	Umbilical		Coating	1998	Coating	Contact with fallpipe	Minor	Evaluation	The umbilical has to be brought to surface to determine the extent of the damage and the remedial action neccassary.
40	Gas	X65		1998	Debris	Trawling	Insignificant	Monitoring	
20	Gas	X60		1998	Freespan	Scour	Minor	Monitoring	N/A
10	Water	Coflex		1998	Exposure	Movement	Insignificant	Monitoring	N/A
20	Condensate	X60		1998	Debris	Drifting mine	Minor	Ok	N/A
10	Gas	X60		1998	Freespan	Scour	Insignificant	Monitoring	N/A
40	Gas	X65		1998	Freespan	Scour	Insignificant	Monitoring	N/A
40	Gas	X65	Coating	1998	Spalling	Poor concrete material	Insignificant	Monitoring	N/A
40	Gas	X65		1998	Freespan	Scour	Minor	Monitoring	N/A
40	Gas	X65		1998	Freespan	Scour	Insignificant	Ok	1999: The span has disappeared. Only minor spans in this area
40	Gas	X65		1998	Freespan	Scour	Insignificant	Ok	1999: The span has disappeared. Only minor spans in this area.
20	Condensate	X60		1998	Debris	Anchor chain	Insignificant	Monitoring	N/A
4	Glycol	X65	Landfall	1998	Extcorr	Not reported	Insignificant	Evaluation	Under evaluation.
16	Condensate	X52		1998	Debris	Anchor	Minor	Ok	Anchor removed and brought onshore
10	Oil/gas	PA 11		1998	Other	Missing plug	Minor	Evaluation	
8,0	Condensate	X65		1998	Debris	Anchor	Insignificant	Ok	N/A
36	Gas	X65		1998	Freespan	Scour	Major	Ok	N/A
36	Gas	X65		1998	Freespan	Scour	Minor	Ok	N/A
36	Gas	X65		1998	Freespan	Scour	Minor	Ok	N/A
36	Gas	X65		1998	Freespan	Scour	Minor	Ok	N/A
36	Gas	X65		1998	Freespan	Scour	Minor	Ok	N/A
36	Gas	X65		1998	Freespan	Scour	Minor	Ok	N/A
20	Gas	X52		1998	Freespan	Not reported	Insignificant	Monitoring	N/A
8,625	Gas lift	Coflex		1998	Freespan	Scour	Insignificant	Monitoring	
8,625	Gas lift	Coflex		1998	Freespan	Scour	Insignificant	Monitoring	
8,625	Gas lift	Coflex		1998	Freespan	Scour	Insignificant	Monitoring	
36	Gas	X60		1998	Wall thickness	External metal loss	Minor	Monitoring	N/A
20	Gas	Duplex		1998	Upheaval buckling	Not reported	Minor	Ok	Rock dumped.
24	Oil	X52		1998	Freespan	Scour	Insignificant	Monitoring	To be monitored annualy for any development.
36	Gas	X60		1998	Wall thickness	External metal loss	Minor	Monitoring	N/A
36	Gas	X60		1998	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
14	Oil/gas	Duplex		1998	Freespan	Not reported	Insignificant	Monitoring	N/A
20	Oil/gas	X52		1998	Intcorr	Not reported	Minor	Monitoring	N/A
20	Oil/gas	X52		1998	Intcorr	Not reported	Minor	Monitoring	N/A
20,0	Oil/gas	X52		1998	Intcorr	Not reported	Minor	Monitoring	N/A
20	Oil/gas	X52		1998	Intcorr	Not reported	Minor	Monitoring	N/A
20	Oil/gas	X52		1998	Intcorr	Not reported	Minor	Monitoring	N/A
20	Oil/gas	X52		1998	Intcorr	Not reported	Minor	Monitoring	N/A
20	Oil/gas	X52		1998	Intcorr	Not reported	Minor	Ok	N/A
20	Oil/gas	X52		1998	Intcorr	Not reported	Major	Monitoring	N/A
20	Oil/gas	X52		1998	Intcorr	Not reported	Minor	Monitoring	N/A
20	Oil/gas	X52		1998	Intcorr	Not reported	Minor	Monitoring	N/A
20	Oil/gas	X52		1998	Intcorr	Not reported	Minor	Monitoring	N/A
20	Oil/gas	X52		1998	Intcorr	Not reported	Minor	Monitoring	N/A

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dimension	medium	material	object	year	anomaly	cause	severity	status	repair
36	Gas	X60		1998	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
36	Gas	X60		1998	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
36	Gas	X60		1998	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
36	Gas	X60		1998	Wall thickness	External metal loss	Minor	Monitoring	N/A
36	Gas	X60		1998	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
36	Gas	X60		1998	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
36	Gas	X60		1998	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
36	Gas	X60		1998	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
36	Gas	X60		1998	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
36	Gas	X60		1998	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
36	Gas	X60		1998	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
36	Gas	X60		1998	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
36	Gas	X60		1998	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
36	Gas	X60		1998	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
36	Gas	X60		1998	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
36	Gas	X60		1998	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
36	Gas	X60		1998	Wall thickness	Internal metal loss	Minor	Monitoring	N/A
36	Gas	X60		1998	Wall thickness	External metal loss	Minor	Monitoring	N/A
16	Gas	X65		1998	Freespan	Waterfilled pipeline during trenching	Minor	Ok	1999: Gravel dumping planned for February 2000.
16	Gas	X65		1998	Freespan	Waterfilled pipeline during trenching	Minor	Ok	1999: Gravel dumping planned for February 2000. 2000: Freespan recitification completed.
16	Gas	X65		1998	Freespan	Waterfilled pipeline during trenching	Minor	Ok	N/A
16	Gas	X65		1998	Freespan	Waterfilled pipeline during trenching	Minor	Ok	N/A
30	Gas	X65		1999	Coating	Pipeline accidently uncovered	Major	Ok	Recoated and surface damages grinded to max depth of 0.8mm.
16	Condensate	X52		1999	Freespan	Scour	Minor	Monitoring	N/A
16	Condensate	X52		1999	Freespan	Scour	Minor	Monitoring	N/A
20	Oil	X65M		1999	Freespan	Excessive strain during pipelaying	Major	Monitoring	Graveldumping and support.
20	Oil	X65M		1999	Freespan	Excessive strain during pipelaying	Major	Monitoring	Graveldumping and support.
16	Gas	X65		1999	Scratch	Dropped anchor wire	Insignificant	Monitoring	
36	Gas	X65		1999	Other	Loss of battery module	Minor	Ok	Battery module retrieved 5th August.
42	Gas	X65		1999	Freespan	Scour	Minor	Evaluation	To be evaluated.
42	Gas	X65		1999	Freespan	Scour	Minor	Ok	N/A
20	Condensate	X60		1999	Freespan	Seabed topography	Minor	Ok	N/A
20	Condensate	X60		1999	Freespan	Seabed topography	Minor	Ok	N/A
20	Condensate	X60		1999	Freespan	Seabed topography	Minor	Ok	N/A
20	Condensate	X60	Coating	1999	Coating	Corrosion or trawling	Insignificant	Ok	N/A
40	Gas	X65		1999	Freespan	Scour	Minor	Ok	N/A
40	Gas	X65		1999	Freespan	Scour	Minor	Monitoring	N/A
40	Gas	X65	Field-joint	1999	Spalling	Poor concrete material	Insignificant	Monitoring	N/A
30	Gas	X65		1999	Debris	Boulder	Insignificant	Monitoring	N/A
36	Gas	X65		1999	Freespan	Scour	Minor	Ok	N/A
40	Gas	X65		1999	Freespan	Scour	Insignificant	Monitoring	N/A

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dimension	medium	material	object	year	anomaly	cause	severity	status	repair
20	Gas	Duplex		2000	Freespan	Scour	Insignificant	Monitoring	N/A
20	Gas	Duplex		2000	Debris	Not reported	Insignificant	Monitoring	N/A
20	Gas	Duplex		2000	Debris	Not reported	Insignificant	Monitoring	N/A
42	Gas	X70		2000	Freespan	Seabed topography	Minor	Monitoring	N/A
42	Gas	X70		2000	Freespan	Seabed topography	Minor	Monitoring	N/A
42	Gas	X70		2000	Freespan	Gravel slide	Major	Monitoring	N/A
42	Gas	X70		2000	Freespan	Gravel slide	Major	Monitoring	N/A
42	Gas	X70		2000	Freespan	Scour	Minor	Evaluation	To be evaluated.
42	Gas	X70		2000	Freespan	Seabed topography	Minor	Ok	To be gravedumped in 2008
42	Gas	X70		2000	Freespan	Seabed topography	Minor	Ok	N/A
42	Gas	X70		2000	Freespan	Seabed topography	Minor	Monitoring	
42	Gas	X70		2000	Freespan	Seabed topography	Minor	Monitoring	
42	Gas	X70		2000	Freespan	Seabed topography	Minor	Monitoring	
42	Gas	X70		2000	Freespan	Seabed topography	Major	Ok	
42	Gas	X70	Coating	2000	Bare-metal	Pipelaying	Minor	Monitoring	N/A
42	Gas	X70	Field-joint	2000	Bare-metal	Pipelaying	Minor	Monitoring	N/A
16	Gas	X65		2000	Freespan	Waterfilled pipeline during trenching	Minor	Monitoring	N/A
16	Gas	X65		2000	Freespan	Waterfilled pipeline during trenching	Minor	Monitoring	N/A
36	Gas	X65		2000	Freespan	Scour	Insignificant	Monitoring	N/A
36	Gas	X65		2000	Freespan	Scour	Insignificant	Monitoring	N/A
36	Gas	X65		2000	Freespan	Scour	Insignificant	Monitoring	N/A
36	Gas	X65		2000	Freespan	Scour	Insignificant	Monitoring	N/A
10	Oil	Duplex		2000	Upheaval buckling	Not reported	Major	Ok	Supported the buckling in present condition with gravel and concrete mats.
10	Oil	Duplex		2000	Upheaval buckling	Not reported	Major	Ok	Supported the buckling in present condition with gravel and concrete mats.
4,5	Gas lift	X65	Hydrocouple	2000	Leak	Poor surface finish	Minor	Evaluation	Inspection and leakage measurement performed in Oct. and Dec. 2000.
8	Gas	X60mod	Pig-receiver	2000	Deformation	Torn off hinges	Minor	Repair	Hatch to be replaced.
6	Injection		Coating	2000	Hole	Blocked vent ports	Major	Ok	Temporary clamp installed. New riser to be installed during summer 2001.
10	Water	Coflex		2000	Leak	Rupture	Major	Ok	Installation of new riser/flowline scheduled to May 2000
8	Oil	Coflex		2001	Leak	Unknown	Insignificant	Monitoring	
9	Oil	13% Cr	Spoolpiece	2001	Leak	Brittle fracture	Major	Ok	The FRB with SSIV etc. will have to be disconnected from flowline and the riser, recovered to surface and rewelded onshore.
9	Oil	13% Cr	ICARUS coupling	2001	Leak	Insufficient seal	Minor	Repair	A new seal will be inserted and the ICARUS coupling made up.
24	Gas	X65	Flange	2001	Deformation	Trawling	Minor	Monitoring	Trawlgear to be removed. New pressure test of the pipeline system will be done. 2009: Flange is acceptable, but must be followed up.
11,60000038	Oil	13% Cr	ICARUS coupling	2001	Leak	Brittle fracture	Major	Ok	The pipeline was recovered for inspection and repair.
8	Oil/gas	SML I 450P		2001	Upheaval buckling	Not reported	Insignificant	Ok	The buckling has been gravedumped..

dimension	medium	material	object	year	anomaly	cause	severity	status	repair
8	Condensate	13% Cr		2001	Leak	Electrical short-circuit	Major	Repair	A clamp and wooden plug were installed 15 Sept, which reduced the leakage. Pipeline filled with inhibited water and a clamp will be installed later this year. A permanent repair of the pipeline is scheduled to August 2002.
36	Gas	X60		2001	Freespan	Scour	Insignificant	Monitoring	N/A
8	Oil/gas	13% Cr		2001	Freespan	Upheaval	Major	Ok	The major freespan rockdumped 23rd July 2001 and seven others before the vessel left the field.
12	Gas	13% Cr	End-connection	2001	Deformation	Uncontrolled vessel move	Minor	Ok	Cut-back of three pipestacks, approx. 36 metres, to replace the deformed pipesection was done ultimo July.
12	Gas	13% Cr	Field-joint	2001	Leak	Lack of fusion	Minor	Ok	Leakage in weld repaired November 2001. Leakage revealed December 2001 has also been repaired.
12	Gas	13% Cr	Field-joint	2001	Leak	Lack of fusion	Minor	Ok	Repair of leakage in weld conducted November 2001. The last leakage was repaired December 2001.
12	Gas	13% Cr	Field-joint	2001	Leak	Lack of fusion	Minor	Repair	
42	Gas	X70		2001	Freespan	Seabed topography	Minor	Ok	To be graveldumped in 2008
42	Gas	X70		2001	Freespan	Seabed topography	Minor	Monitoring	
42	Gas	X70		2001	Freespan	Seabed topography	Minor	Monitoring	Freespan observed in selfflowering area. Will probably disappear the next 1-2 years.
42	Gas	X70		2001	Freespan	Seabed topography	Minor	Monitoring	Freespan observed in selfflowering area. Will probably disappear the next 1-2 years.
42	Gas	X65		2001	Freespan	Scour	Minor	Monitoring	N/A
42	Gas	X65		2001	Freespan	Scour	Minor	Monitoring	N/A
42	Gas	X65		2001	Freespan	Scour	Minor	Monitoring	N/A
42	Gas	X65		2001	Freespan	Scour	Minor	Monitoring	N/A
42	Gas	X65		2001	Freespan	Scour	Minor	Monitoring	N/A
42	Gas	X65		2001	Freespan	Scour	Minor	Monitoring	N/A
40	Gas	X65	Field-joint	2001	Spalling	Poor concrete material	Minor	Monitoring	
28	Oil	X60		2001	Freespan	Not reported	Insignificant	Monitoring	Rocksupports have been established.
14,0	Oil	X60		2001	Intcorr	Bacterial corrosion	Minor	Monitoring	Preventive measures: biocide treatment and cleaning pigging. Testing of new corrosion inhibitors. Reinspection to be performed within one year (2002).
8,0	Condensate	X65		2001	Freespan	Not reported	Major	Ok	Rockdumping performed.
20,0	Condensate	X60		2001	Wall thickness	Fabrication defect	Minor	Monitoring	
20	Condensate	X60		2001	Wall thickness	Fabrication defect.	Insignificant	Monitoring	
42	Gas	X70		2002	Freespan	Pipeline/seabed interaction	Minor	Monitoring	
42	Gas	X70		2002	Freespan	Scour	Minor	Monitoring	
42	Gas	X70		2002	Freespan	Scour	Minor	Monitoring	
42	Gas	X70		2002	Freespan	Scour	Minor	Monitoring	
42	Gas	X70	Pig-receiver	2002	Other	Pig hit the door	Minor	Ok	Repaired. Finallised end of November
8	Oil/gas	13% Cr		2002	Freespan	Upheaval	Major	Ok	Rockdumping performed of both suspensions in March 2002.
16	Gas	X65		2002	Coating	Installation/pipe laying	Insignificant	Ok	Repair is not considered necessary
12	Gas	13% Cr	Anode	2002	Leak	Hydrogen induced cracking.	Minor	Ok	
12	Gas	13% Cr	Field-joint	2002	Leak	Hydrogen induced cracking	Minor	Ok	
30	Gas	X65	Coating	2002	Scratch	Anchor wire	Insignificant	Monitoring	N/A
12	Oil/gas	13% Cr		2002	Leak	Not reported	Insignificant	Monitoring	

dimension	medium	material	object	year	anomaly	cause	severity	status	repair
8	Injection	Coflex		2002	Leak	Hydrate plug	Minor	Ok	The flowline/riser was replaced by new riser 16th December 2002.
42	Gas	X70		2002	Other	Operational failure	Major	Ok	N/A
40	Gas	X65	Field-joint	2002	Bare-metal	Pipelaying	Minor	Ok	2003 CP stabbing: the measured potential level shows that the bare steel has proper cathodic protection.
40	Gas	X65	Field-joint	2002	Spalling	Design	Insignificant	Monitoring	
42	Gas	X65	Field-joint	2002	Other	Fabrication	Insignificant	Ok	N/A
42	Gas	X65	Coating	2002	Spalling	Installation/pipe laying	Insignificant	Ok	Repair not considered necessary.
42	Gas	X65	Coating	2002	Spalling	Installation/pipe laying	Insignificant	Ok	Repair is not considered necessary.
20	Condensate	X60		2002	Freespan	Seabed topography	Minor	Ok	
20	Condensate	X60		2002	Freespan	Seabed topography	Minor	Ok	
20	Condensate	X60		2002	Freespan	Seabed topography	Minor	Ok	
20	Condensate	X60		2002	Freespan	Seabed topography	Minor	Ok	
20	Condensate	X60		2002	Freespan	Seabed topography	Minor	Ok	
20	Condensate	X60		2002	Freespan	Seabed topography	Minor	Ok	
20	Condensate	X60		2002	Freespan	Seabed topography	Minor	Ok	
20	Condensate	X60		2002	Freespan	Seabed topography	Minor	Ok	
20	Condensate	X60		2002	Freespan	Seabed topography	Minor	Ok	
20	Condensate	X60		2002	Freespan	Seabed topography	Minor	Ok	
20	Condensate	X60		2002	Freespan	Seabed topography	Minor	Ok	
20	Condensate	X60		2002	Freespan	Seabed topography	Minor	Ok	
20	Condensate	X60		2002	Freespan	Seabed topography	Minor	Ok	
12	Oil	SML I 450P		2003	Freespan	Not reported.	Insignificant	Ok	N/A
12	Oil/gas	13% Cr		2003	Leak	Hydrogen cracking	Minor	Repair	Installation of a new towhead and pipespool to be performed in September 2003.
12	Oil	Coflex		2003	Leak	Crack	Minor	Evaluation	Leakage is stopped, pressure relieved and isolated until repair.
20	Oil/gas	X52		2003	Leak	CO2 corrosion	Major	Ok	Leak repaired by installing a mechanical repair clamp 8th July 2003 over pinhole. Replacement of pipeline in July 2004.
12	Oil/gas	13% Cr		2003	Leak	Not reported	Insignificant	Monitoring	
42	Gas	X70		2003	Freespan	Scour	Minor	Monitoring	N/A
42	Gas	X70		2003	Freespan	Scour	Minor	Monitoring	N/A
42	Gas	X70		2003	Freespan	Scour	Minor	Repair	To be gravedumped in 2011 pending authority approval.
36	Gas	X65	Field-joint	2003	Other	Not reported	Insignificant	Monitoring	N/A
40	Gas	X65	Clamp	2003	Other	Pipelay operations	Minor	Monitoring	N/A
36	Gas	X65		2003	Freespan	Not reported	Insignificant	Monitoring	
16	Gas	X65	Coating	2003	Coating	Installation	Insignificant	Ok	N/A
20	Oil/gas	X52		2003	Intcorr	Not reported	Major	Ok	Replacement of pipeline in July 2004.
20	Oil/gas	X52		2003	Intcorr	Not reported	Major	Ok	Replacement of pipeline in July 2004.
20	Oil/gas	X52		2003	Intcorr	Not reported	Minor	Ok	Replacement of pipeline in July 2004.
20	Oil/gas	X52		2003	Intcorr	Not reported	Major	Ok	Replacement of pipeline in July 2004.
20	Oil/gas	X52		2003	Intcorr	Not reported	Major	Ok	Replacement of pipeline in July 2004.
20	Oil/gas	X52		2003	Intcorr	Not reported	Minor	Ok	Replacement of pipeline in July 2004.
20	Oil/gas	X52		2003	Intcorr	Not reported	Major	Ok	Replacement of pipeline in July 2004.
20	Oil/gas	X52		2003	Intcorr	Not reported	Minor	Ok	Replacement of pipeline in July 2004.
20	Oil/gas	X52		2003	Intcorr	Not reported	Minor	Ok	Replacement of pipeline in July 2004.
20	Oil/gas	X52		2003	Intcorr	Not reported	Minor	Ok	Replacement of pipeline in July 2004.

dimension	medium	material	object	year	anomaly	cause	severity	status	repair
20	Oil/gas	X52		2003	Intcorr	Not reported	Major	Ok	Replacement of pipeline in July 2004.
24	Oil	X52		2003	Freespan	Scour	Insignificant	Ok	N/A
36	Gas	X65		2003	Freespan	Installation	Insignificant	Monitoring	N/A
16	Gas	X65		2003	Freespan	Seabed topography	Minor	Monitoring	
36	Gas	X65	Field-joint	2003	Other	Not reported	Insignificant	Monitoring	N/A
6	Gas	X60	T-Connection	2004	Leak	Broken	Major	Ok	Pipeline repaired.
8	Oil/gas	13% Cr		2004	Leak	Hydrogen cracking	Minor	Ok	
40	Gas	X65		2004	Freespan	Seabed topography	Minor	Monitoring	
40	Gas	X65		2004	Freespan	Seabed topography	Minor	Monitoring	
20	Oil	X65M		2004	Freespan	No seabed support	Minor	Ok	NA
28	Oil	SAWL 450		2004	Freespan	Not reported.	Minor	Ok	Rockdumping.
28	Oil	SAWL 450		2004	Coating	Not reported.	Insignificant	Monitoring	N/A
42	Gas	X65	Coating	2004	Spalling	Installation/pipelaying	Insignificant	Ok	Repair is not considered necessary
30	Gas	X65	T-Connection	2004	Leak	Not reported	Insignificant	Monitoring	Unnecessary
36	Gas	X65	Coating	2004	Exposure	Pipelaying	Insignificant	Ok	Unnecessary
24	Oil	X52		2004	Intcorr	Corroison	Insignificant	Monitoring	N/A
24	Oil	X52		2004	Intcorr	Corrosion	Insignificant	Monitoring	N/A
24	Oil	X52		2004	Intcorr	Corrosion	Insignificant	Monitoring	N/A
24	Oil	X52		2004	Intcorr	Corrosion	Minor	Monitoring	N/A
24	Oil	X52		2004	Intcorr	Corrosion	Insignificant	Monitoring	N/A
24	Oil	X52		2004	Intcorr	Corrosion	Insignificant	Monitoring	N/A
24	Oil	X52		2004	Intcorr	Corrosion	Insignificant	Monitoring	N/A
24	Oil	X52		2004	Intcorr	Corrosion	Insignificant	Monitoring	N/A
24	Oil	X52		2004	Intcorr	Corrosion	Insignificant	Monitoring	N/A
20	Oil	X60		2004	Intcorr	Corrosion	Minor	Monitoring	N/A
20	Oil	X60		2004	Intcorr	Corrosion	Minor	Monitoring	N/A
34	Oil	X60		2004	Extcorr	Corroison	Minor	Monitoring	N/A
34	Oil	X60		2004	Extcorr	Corrosion	Minor	Monitoring	N/A
34	Oil	X60		2004	Intcorr	Corrosion	Minor	Monitoring	N/A
34	Oil	X60		2004	Intcorr	Corrosion	Minor	Monitoring	N/A
34	Oil	X60		2004	Intcorr	Corrosion	Minor	Monitoring	N/A
36	Gas	X60		2004	Intcorr	Corrosion.	Minor	Monitoring	N/A
36	Gas	X60		2004	Intcorr	Corrosion	Insignificant	Monitoring	N/A
36	Gas	X65		2004	Freespan	Not reported.	Insignificant	Monitoring	N/A
36	Gas	X65		2004	Deflection	Not reported.	Minor	Evaluation	
36	Gas	X65		2004	Deflection	Not reported.	Minor	Evaluation	
30	Gas	X65	Field-joint	2004	Coating	Contact with steel frame	Minor	Repair	Removal of support frame.
16	Gas	X65		2004	Freespan	Seabed profile	Minor	Evaluation	
18	Gas	SAWL 450		2004	Freespan	Not reported.	Insignificant	Monitoring	Based on freespan observed by surveys in 2004 and 2005 as well as new freespan criterias established in 2005, the pipeline was intervened in 2006.
28	Gas	X65	Coating	2005	Bare-metal	Digging accident with excavator.	Minor	Ok	Pipeline coating repaired.
28	Gas	X65	Coating	2005	Bare-metal	Surface corrosion.	Minor	Repair	Repair of pipeline coating will commence in 2006.
28,0	Gas	X65	Coating	2005	Bare-metal	Surface corrosion.	Minor	Repair	Repair of pipeline coating will commence in 2006.

dimension	medium	material	object	year	anomaly	cause	severity	status	repair
16,0	Condensate	X65	Field-joint	2005	Bare-metal	Installation/trawling	Insignificant	Repair	2010: There will be a study on possible methods of repair. The work on repairing the field joints are planned to start in 2011.
28	Oil	SAWL 450		2005	Deflection	Nor reported	Minor	Ok	Rockdumped.
16	Gas	X65		2005	Freespan	Not reported	Minor	Evaluation	Freespan criteria to be reevaluated based on optimized assumptions.
8,0	Condensate	X65		2005,0	Freespan	Not reported	Minor	Evaluation	
13,4	Gas lift	SML I 450P		2005,0	Freespan	Not reported.	Minor	Monitoring	
13,4	Gas	SML I 450P		2005,0	Freespan	Not reported	Insignificant	Ok	
12,75	Gas	X65		2005	Freespan	Not reported.	Minor	Monitoring	
40	Gas	X65		2005	Other	Not reported	Insignificant	Ok	N/A
10,0	Gas	X65		2005	Upheaval buckling	Lack of gravel	Minor	Ok	The upheaval buckling has been supported with gravel and concrete mattresses. Also, the other locations have been supported with gravel.
16	Gas	X65		2005	Freespan	No support	Major	Ok	Gravel support rockdumped to lock pipeline to support.
4	Gas lift	Coflex		2005	Leak	Not reported	Insignificant	Evaluation	Repair options are under consideration and to be concluded within September 2005.
10	Water	Coflex		2005	Leak	Rupture	Minor	Repair	Considers two options, either repair existing pipeline or install new pipeline. New pipeline installed in 2011.
8	Oil	13% Cr		2006	Leak	Hydrogen induced stress cracking.	Insignificant	Evaluation	
10	Gas	X65		2006	Exposure	Thermal expansion	Insignificant	Evaluation	Rock dumping to be performed for the exposed areas. Evaluation of the UGIP pipeline in currently on-going. new survey to be performed to establish the sub-bottom pipeline longitudinal profile to give input to evaluations/analysis to restore pipeline integri
6	Gas	X60	Coating	2006	Leak	Potential seal failure.	Minor	Evaluation	N/A.
24	Oil	X52		2006	Intcorr	Corrossion	Minor	Evaluation	Clamp installed over most corroded area.
8	Oil/gas	X65		2006	Freespan	N/A	Minor	Monitoring	N/A
28	Oil	SAWL 450		2006	Freespan	N/A	Minor	Evaluation	N/A
42	Gas	X70		2006	Other	Broken lifting gear	Minor	Ok	Pipeline cut-back 500m and reinstalled.
8	Gas	X60mod	Subsea conn.point	2006	Deflection	Trawling	Major	Evaluation	Further studies are ongoing to evaluate measures.
20	Oil	X60		2006	Other	Erosion	Minor	Evaluation	The necessary measures to ensure that the integrity of both pipelines is maintained are being taken.
10	Oil/gas	X60	Coating	2006	Deformation	Dredning operation.	Minor	Ok	The damage was repaired by installing an external clamp. Repair completed June 2009.
6	Oil/gas	Coflex	Coating	2006	Deformation	Dredning operation	Minor	Ok	The damages were repaired by installing external repair clamps. Repair completed September 2009.
40	Gas	X65		2006	Freespan	Seabed topography	Minor	Ok	N/A.
22	Gas	X65		2007	Deflection	Anchor	Minor	Evaluation	Concrete coating will be removed to conduct close inspection of the linepipe.
32	Gas	SAWL 450	Pig-receiver	2007	Leak	Open valve on pig-receiver	Major	Ok	N/A
22	Gas	X65		2007	Freespan	Upheaval buckling	Minor	Monitoring	N/A
36	Gas	X65		2007	Freespan	Not reported	Minor	Evaluation	Study to specify scope of interventions with aim to complete interventions during 2008.

dimension	medium	material	object	year	anomaly	cause	severity	status	repair
36	Gas	X65		2007	Freespan	Not reported	Minor	Evaluation	Study to specify scope of interventions with aim to complete interventions during 2008.
30	Gas	X65		2007	Deformation	Anchor	Major	Repair	Temporary repair performed, a permanent repair to be conducted in 2008.
28	Gas		Field-joint	2008	Loose	Pipe laying or trawling	Insignificant	Ok	N/A
28	Gas		Coating	2008	Spalling	Pipe laying	Insignificant	Ok	N/A
28	Gas		Field-joint	2008	Coating	Trawling	Minor	Monitoring	N/A
28	Gas		Coating	2008	Bare-metal	Trawling	Minor	Ok	No further actions.
28	Gas		Field-joint	2008	Bare-metal	Trawling	Minor	Ok	No further actions.
30	Gas	X65		2008	Leak	Not reported	Minor	Evaluation	To be decided
30	Gas	X65		2008	Gouge	Waterchisel	Minor	Evaluation	To be evaluated
12	Gas		Coating	2008	Coating	Rock dump claw hit pipeline during post-lay coveri	Major	Ok	Discovered damage is repaired to the same level of quality as original coating.
32	Gas	SAWL 450		2008	Coating	Not known	Minor	Ok	After follow-up survey in 2010, repair may be considered in case of deterioration.
42	Gas	X65		2009	Freespan	Seabed	Minor	Evaluation	
36	Gas	X65	Field-joint	2009	Coating	Unknown.	Minor	Evaluation	To be evaluated on basis of inspection.
40	Gas	X65		2009	Bare-metal		Insignificant	Monitoring	Will be stabbed during 2010 survey.
40	Gas	X65		2009	Bare-metal		Insignificant	Monitoring	Will be stabbed during 2010 survey.
42	Gas	X65		2009	Bare-metal	3rd party impact.	Insignificant	Monitoring	CP measurement will be carried out during next inspection (2010).
42	Gas	X70		2009	Coating	Damage probably caused during flooding	Minor	Ok	KP104.505 rock dumped, all other considered acceptable.
4	Service	Rilsan		2009	Hole	Unknown.	Major	Ok	The jumper is taken out of service, but still hanging av Veslefrikk. Veslefrikk has sufficient capacity without this jumper. Spare jumper is in store onshore.
30	Oil	X60		2009	Leak	Contact with pipeline when removing an anchorchain	Insignificant	Ok	Nipple cleaned and closed.
24	Oil	X52		2009	Leak	Upheaval buckle	Minor	Ok	Repaired June 20009 by installing a temporary clamp.
4	Gas lift	X65	Subsea conn.point	2009	Leak	Connector failure 3 off	Minor	Repair	Recitification prosject is established
10	Oil/gas	X60		2010	Intcorr		Major	Evaluation	Detailed evaluations with respect to DNV-RP-F101 are ongoing. Maintenace pigging program established. First cleaning operations performed in November 2010, next operation planned in February 2011. New inspection pigging planned in February 2011.
10	Oil/gas	X60		2010	Intcorr		Major	Evaluation	Detailed evaluations with respect to DNV-RP-F101 are ongoing. Maintenace pigging program established. First cleaning operation performed in November 2010, next operation planned in February 2011. New inspection pigging planned in February 2011.
12	Water	X65		2010	Intcorr		Minor	Ok	Further corrosion development will be followed up with periodic intelligent pigging.
16	Oil	X60mod		2010	Extcorr		Minor	Ok	Further corrosion development will be follow up with periodic intelligent pigging.
12,75	Oil/gas	X60		2010	Extcorr		Minor	Ok	Further corrosion development will be follow up with periodic intelligent pigging.



dimension	medium	material	object	year	anomaly	cause	severity	status	repair
12,75	Oil/gas	X60		2010	Extcorr		Minor	Ok	Further corrosion development will be followed up with periodic intelligent pigging.
12,75	Oil/gas	X60		2010	Extcorr		Minor	Ok	Further corrosion development will be followed up with periodic intelligent pigging.
12,75	Oil/gas	X60		2010	Extcorr		Minor	Ok	Further corrosion development will be followed up with periodic intelligent pigging.
12	Oil/gas	X60		2010	Extcorr		Minor	Ok	Further corrosion development will be follow up with periodic intelligent pigging.
12	Oil/gas	X60		2010	Extcorr		Minor	Ok	Further corrosion development will be follow up with periodic intelligent pigging.
20	Gas			2010	Leak		Insignificant	Monitoring	Leveringstid på reservedeler er et par måneder.
40	Gas	X65		2010	Freespan	N/A	Minor	Repair	To be gravel dumped in 2011.
42	Gas	X70		2010	Freespan	Scour	Minor	Evaluation	To be evaluated.
42	Gas	X70		2010	Freespan		Minor	Monitoring	N/A
42	Gas	X70		2010	Freespan	Scour	Minor	Evaluation	Monitoring this freespan every second year.
42	Gas	X70	Field-joint	2010	Bare-metal	Third party impact.	Minor	Evaluation	CP stabbing is recommended at bare metal exposures.
8	Oil	PVDF		2010	Hole	Heat under bending restrictor.	Minor	Ok	Initially the criticality was evaluated and flushing with helium under the bending stiffener. The jumper was taken out of service in 2011 revision shut-down. Veslefrikk had one spare hanging at a spare slot, and this is used for replacement.
8	Condensate	3-layer Coflon		2010	Hole	Unknown.	Minor	Repair	Initially the criticality was evaluated by calculating rest capacity. Flushing with helium under the bending stiffener was implemented to reduce escalating corrosion. The riser is planned to be replaced in 2012.
40	Gas	X65		2010	Freespan	Scour	Minor	Ok	To evalutated further.
40	Gas	X65	Field-joint	2010	Bare-metal	Field joint damage	Minor	Ok	N/A
40	Gas	X65	Field-joint	2010	Exposure	Damage from installation.	Minor	Ok	N/A
40	Gas	X65	Field-joint	2010	Scratch	Trawling	Minor	Ok	N/A
40	Gas	X65	Field-joint	2010	Exposure	Damage from installation.	Minor	Ok	N/A
40	Gas	X65	Field-joint	2010	Exposure	Third party/installation	Minor	Ok	N/A
40	Gas	X65	Field-joint	2010	Exposure	Third party/installation	Minor	Ok	N/A
40	Gas	X65	Field-joint	2010	Exposure	Third party/installation	Minor	Ok	N/A
40	Gas	X65	Field-joint	2010	Spalling	Third party/installation	Minor	Ok	N/A
40	Gas	X65	Field-joint	2010	Crack	Third party/installation	Minor	Ok	N/A
40	Gas	X65	Field-joint	2010	Exposure	Third party/installation	Minor	Monitoring	Regular inspection every second year.
16	Gas	X65		2010	Deflection	Thermal expansion	Minor	Evaluation	
20	Oil	X60		2010	Intcorr	CO2 corrosion	Minor	Monitoring	No repair is currenty required.
8	Oil	PVDF		2011	Hole	Heat under bending stiffener.	Minor	Ok	Flowline replaced May 2012.
30	Gas	X65		2011	Deflection	Anchor hooking.	Minor	Ok	N/A
30	Gas	X65		2011	Deflection	Anchor hooking.	Minor	Ok	N/A
42	Gas	X65	Coating	2011	Coating	Boulder support	Minor	Evaluation	To be evaluated. Detailed study covering this topic is about to start.
42	Gas	X65	Coating	2011	Coating	Boulder support	Minor	Evaluation	To be evaluated. Detailed study covering this topic is about to start.
42	Gas	X65	Coating	2011	Exposure	Boulder support	Minor	Evaluation	To be evaluated. Detailed study covering this topic is about to start.

dimension	medium	material	object	year	anomaly	cause	severity	status	repair
42	Gas	X65	Coating	2011	Coating	Boulder support	Minor	Evaluation	To be evaluated. Detailed study covering this topic is about to start.
42	Gas	X65	Coating	2011	Coating	Boulder support	Minor	Evaluation	To be evaluated. Detailed study covering this topic is about to start.
42	Gas	X65		2011	Freespan	Erosion and scouring	Minor	Evaluation	To be evaluated
42	Gas	X65		2011	Freespan	Erosion and scouring	Minor	Evaluation	To be evaluated
42	Gas	X65		2011	Freespan	N/A	Minor	Evaluation	To be evaluated. FatFree screening based on the updated environmental data is in progress.
42	Gas	X65		2011	Freespan	N/A	Minor	Evaluation	To be evaluated. FatFree screening based on the updated environmental data is in progress.
42	Gas	X65		2011	Freespan	N/A	Minor	Evaluation	To be evaluated. FatFree screening based on the updated environmental data is in progress.
42	Gas	X65	Coating	2011	Exposure	Interaction with boulder	Minor	Evaluation	To be evaluated
42	Gas	X65	Coating	2011	Bare-metal	Interaction with boulder	Minor	Evaluation	To be evaluated
28	Gas		Coating	2011	Spalling	Fishing activities.	Minor	Monitoring	N/A
28	Gas		Field-joint	2011	Exposure	Possible 3rd party / Installation.	Minor	Monitoring	N/A
28	Gas			2011	Freespan	Pockmarks area	Minor	Evaluation	The spans with support slippage will be analysed in further details in 2012.
28	Gas		Coating	2011	Spalling	Fishing activities.	Minor	Monitoring	N/A
28	Gas		Field-joint	2011	Other	Possible 3rd party / Installation	Minor	Monitoring	N/A
28	Gas			2011	Freespan	Pockmarks area	Minor	Evaluation	These over-criteria spans will be analysed in further details in 2012.
28	Gas		Coating	2011	Spalling	Fishing activities	Minor	Monitoring	N/A
28	Gas		Field-joint	2011	Other	Possible 3rd party / Installation	Minor	Monitoring	N/A
28	Oil	SAWL 450		2011	Gap	Sandy seabed with possible of scouring	Minor	Evaluation	Over-criteria spans will be analysed in further details in 2012.
28	Oil	SAWL 450	Coating	2011	Bare-metal	Axial movement or soil expansion	Minor	Monitoring	CP stabbing will be performed at KP 0,005 and KP 0,042 in the next proposed inspection.
28	Oil	SAWL 450		2011	Freespan	Sandy seabed with possible of scouring	Minor	Evaluation	Over-criteria span will be analysed in further details in 2012.
16	Gas	13% Cr		2011	Freespan	Uncompleted intervention	Minor	Evaluation	These spans will be analysed further in 2011 before the decision over intervention is made.
16	Gas	13% Cr		2011	Freespan	Pockmarks area	Minor	Evaluation	These over-criteria spans will be analysed in further details in 2012.
16	Gas	13% Cr		2011	Freespan	Pockmarks area	Minor	Evaluation	Over-criteria span will be analysed in further details in 2012.
20	Condensate	X60	Landfall	2011	Other	Foreign tool by 3rd party	Minor	Ok	Polished the damage to the recommended shape by DNV
4	Service	HDPE L		2011	Hole	Unknown.	Minor	Evaluation	
42	Gas	X70		2011	Other	Thermal forces, large slope and rock dump	Insignificant	Ok	N/A
32	Gas	SAWL 450		2011	Freespan		Minor	Monitoring	
32	Gas	SAWL 450		2011	Freespan		Minor	Monitoring	
32	Gas	SAWL 450		2011	Freespan		Minor	Monitoring	
32	Gas	SAWL 450		2011	Freespan		Minor	Monitoring	
32	Gas	SAWL 450		2011	Freespan		Minor	Monitoring	

dimension	medium	material	object	year	anomaly	cause	severity	status	repair
32	Gas	SAWL 450		2011	Freespan		Minor	Monitoring	
32	Gas	SAWL 450		2011	Freespan		Minor	Monitoring	
32	Gas	SAWL 450		2011	Freespan		Minor	Monitoring	
32	Gas	SAWL 450		2011	Freespan		Minor	Monitoring	
32	Gas	SAWL 450		2011	Freespan		Minor	Monitoring	
32	Gas	SAWL 450		2011	Freespan		Minor	Monitoring	
32	Gas	SAWL 450		2011	Freespan		Minor	Monitoring	
32	Gas	SAWL 450		2011	Freespan		Minor	Monitoring	
32	Gas	SAWL 450		2011	Freespan		Minor	Monitoring	
32	Gas	SAWL 450		2011	Freespan		Minor	Monitoring	
32	Gas	SAWL 450		2011	Freespan		Minor	Monitoring	
32	Gas	SAWL 450		2011	Freespan		Minor	Monitoring	
32	Gas	SAWL 450		2011	Freespan		Minor	Monitoring	
32	Gas	SAWL 450		2011	Freespan		Minor	Monitoring	
32	Gas	SAWL 450		2011	Freespan		Minor	Monitoring	
32	Gas	SAWL 450		2011	Freespan		Minor	Monitoring	
32	Gas	SAWL 450		2011	Freespan		Minor	Monitoring	
32	Gas	SAWL 450		2011	Freespan		Minor	Monitoring	
30	Gas	X65		2011	Bare-metal	Third party impact.	Minor	Monitoring	N/A.
40	Gas	X65		2012	Other	Fasthuking av trål	Minor	Ok	N/A
10	Water	X60		2012	Intcorr	Water quality	Insignificant	Monitoring	
11,39999962	Water	X60		2012	Intcorr	Water quality	Insignificant	Monitoring	
8	Oil	PVDF		2012	Hole	Heat under bending restrictor	Minor	Ok	Initially the criticality was evaluated. MEG filling of annulus is planned. New jumper installed 2014.
30	Gas	X65	Pig-receiver	2012	Other	Selvantemming	Minor	Ok	
24	Gas	X65	Anode	2012	Other	Installation, 3rd party	Insignificant	Evaluation	N/A
24	Gas	X65	Field-joint	2012	Spalling	3rd party, Installation	Insignificant	Monitoring	Regular inspection every second year.
28	Oil	SAWL 450	Field-joint	2012	Bare-metal	Axial sliding due to warm temperature.	Minor	Monitoring	New survey in 2013 with focus on possible exposed bare metal and possible CP stabbing.
28	Oil	SAWL 450	Field-joint	2012	Bare-metal		Minor	Monitoring	New survey in 2013 with focus on possible exposed bare metal and possible CP stabbing.
28	Oil	SAWL 450	Coating	2012	Bare-metal	Due to 3rd party or during installation.	Minor	Monitoring	New survey in 2013 with focus on possible bare metal and possible CP stabbing.
7,400000095	Gas			2012	Leak	Punktert ytterkappe.	Minor	Repair	Rutinemessig inspeksjon, reparasjon av ytterkappe og lekkasjetest. Ny rørseksjon installeres i 2013.
5	Injection	Coflex		2012	Leak	Wear of the outer sheeting.	Minor	Repair	Soft-clamp planlegges installert over skade november 2013.
36	Gas	X65	Field-joint	2012	Exposure		Minor	Ok	
16	Gas	X65	Coating	2012	Bare-metal	Abrasion by third party	Insignificant	Ok	The bare metal has been stabbed from KP0.028 to KP0.066 and the pipe is confirmed to have well protection.
16	Gas	X65	Anode	2012	Crack		Insignificant	Ok	
16	Gas	X65	Anode	2012	Crack		Insignificant	Ok	
16	Gas	X65	Anode	2012	Crack		Insignificant	Ok	
16	Gas	X65	Anode	2012	Crack		Insignificant	Ok	
16	Gas	X65	Coating	2012	Exposure		Insignificant	Ok	
28	Gas	X65	Coating	2012	Exposure		Insignificant	Ok	
28	Gas	X65	Field-joint	2012	Exposure		Insignificant	Ok	

dimension	medium	material	object	year	anomaly	cause	severity	status	repair
28	Gas	X65	Coating	2012	Exposure		Insignificant	Ok	
42	Gas	X70	Field-joint	2013	Exposure	Third party	Insignificant	Monitoring	Field joints will be monitored regularly.
16	Gas	X65	Coating	2013	Bare-metal	Third party	Minor	Monitoring	CP stabbing recommended at bare metal exposures.
16	Gas	X65	Coating	2013	Exposure	Third party	Insignificant	Monitoring	Regular inspection every second year.
36	Gas	X65	Pig-receiver	2013	Leak	N/A	Minor	Evaluation	N/A
42	Gas	X70		2013	Other	Fasthuking av trål	Minor	Monitoring	N/A
8	Oil	PVDF		2013	Hole	High temperatur under bending stiffener.	Major	Ok	The jumper was replaced 2014.
20	Oil	X52		2013	Intcorr	CO2 /organic corrosion	Minor	Monitoring	No repair is currently required.
16	Gas	X65	Coating	2013	Spalling	Installation, 3rd party.	Insignificant	Monitoring	Regular inspection yearly for safety zone.
30	Gas	X65	Field-joint	2013	Coating	Trawl impact.	Minor	Monitoring	
30	Gas	X65		2013	Debris	Not reported.	Minor	Monitoring	
30	Gas	X65	Coating	2013	Coating	Trawl impact	Minor	Ok	
30	Gas	X65	Field-joint	2013	Coating	Trawl impact	Minor	Monitoring	
12	Gas	X65	Coating	2013	Coating	Laying	Minor	Evaluation	
12	Gas			2013	Other	Short-cut	Major	Ok	Faild DEH section identified and repaired with spare piggy-back cable.
10	Gas	X65		2014	Freespan	Scour	Minor	Repair	
10	Oil/gas		End-connection	2014	Dent	Pipeline impact with Template during installation	Major	Ok	Røret ble hentet opp og brakt tilbake til fabrikken. 13m meter ble kappet av røret og ny endeterminering montert. Røret hadde i utgangspunktet 61m overlengde. Endkobling ble sendt til til leverandør for reparasjon. Deretter ble røret installert på nytt me
36	Gas	X60	-	2014	Frispenn	Utvasking av sjøbunn	Insignificant	OK	Frispennet er steindumpet og utbedret.
36	Gas	X60	-	2014	Frispenn	Utvasking av sjøbunn i tidevannskanal	Insignificant	OK	Området mudret og røret senket lokalt. Røret steindumpet lokalt etter senking.
10	Oil/gas	13% Cr		2014	Freespan	Scour	Minor	Ok	Supporting grout bags have been installed to decrease freespan length and risk of movement.
8	Gas lift			2014	Freespan	Scour	Minor	Ok	Supporting grout bags have been installed to decrease freespan length.
10	Gas	X65		2014	Freespan	Scour	Minor	Repair	
20	Oil	X60	Coating	2014	Coating	External damage	Insignificant	Monitoring	
10	Oil/gas	13% Cr		2014	Freespan	Scour	Minor	Ok	Supporting grout bags have been installed to decrease freespan length and risk of movement.
8	Gas lift			2014	Freespan	Scour	Minor	Ok	Supporting grout bags have been installed to decrease freespan length.
20	Oil	X52		2014	Freespan	Scour	Minor	Repair	Protecting grout bags have been installed to prevent freespan to increase more. Recitification planned.
20	Oil	X60	Coating	2014	Coating	External damage	Insignificant	Monitoring	
10	Oil	X65		2014	Freespan	Scour	Minor	Repair	Support of spool required.
8	Water	X60		2014	Scour	Scour	Minor	Repair	
26	Gas	X65		2014	Freespan	Installation anomaly	Minor	Monitoring	Survey in 2015 will confirm if 2014 intervention, boulder removal, was succesful with regard to span reduction. If not, remediation is requiried.
6	Oil/gas	PA 11		2014	Hole	Assumed to be anchor or anchorchain	Minor	Repair	Pipe is shut down. Brougth onshore for examination.
12	Oil			2015	Other	Pig fastkjørt i SDV (shut-down valve)	Minor	Repair	

dimension	medium	material	object	year	anomaly	cause	severity	status	repair
12	Oil/gas	13% Cr		2015	Crack		Insignificant	Repair	Action for permanent repair ongoing.
8	Oil	PVDF	Coating	2015	Hole	High temperature under bending stiffener.	Major	Repair	The riser/jumper will be repaired by sealing of the damaged area and controlling the annulus environment.  The riser/jumper is repaired by sealing of the damaged area and the annulus environment is continuously flushed and monitored.
28	Oil	SAWL 450	Field-joint	2015	Other	Damage during installation	Minor	Ok	Review of available survey documentation has been performed and update of calculations has been performed to verify the pipeline integrity. No action needed
12	Gas		-	2016	Beleggskaide i Osundet	Beleggskaide med AC interferens	Minor	Evaluation	Det jobbes med å utbedre situasjonen.
12	Oil/gas	13% Cr		2016	Other	Fasthuking av trål.	Insignificant	Ok	Innføre midlertidige begrensinger for trålere i området samtidig som en planlegger for permanent beskyttelse av det aktuelle området ved gruslegging/big bags.
10	Oil/gas	PA 11	Cover	2016	Hole	- Indication of oil on surface - ROV measures 2 l	Minor	Repair	- Pipe is shut down. - Leaktest with water - Pipe disqualified - Retrieved part with damage, endflanges and nearest SPO flange - Liner pullout discovered in SPO flange - New pipe ordered
8	Oil	PVDF	Cover	2016	Coating	Damage to the external sheath in the bending stiff	Minor	Repair	The riser/jumper is repaired by sealing of the damaged area and the annulus environment is continuously flushed and monitored.
8	Oil	PVDF	Coating	2016	Coating	Damage to the external sheath in the bending stiff	Minor	Repair	The riser/jumper is repaired by sealing of the damaged area and the annulus environment is continuously flushed and monitored.
8	Oil	PVDF	Coating	2016	Coating	Damage to the external sheath in the bending stiff	Minor	Repair	The riser/jumper is repaired by sealing of the damaged area and the annulus environment is continuously flushed and monitored.
12,75	Condensate		Coating	2017	Corrosion protection	Alle beleggskaidene som er reparert har vist seg å	Minor	Ok	Rearering av feltskjøter. Ved årlig møte med transportnett 07 mars 2017 var det 11 gjenstående skjøter som ikke var reparert. 105 var reparert.
4	Gas lift	Coflex		2017	Upheaval buckling	Pressurisation/depressurisation	Minor	Monitoring	N/A
9	Oil/gas	PA 11		2017	Hole	Investigation ongoing	Minor	Evaluation	Pipe is stabilized at 15 bar Investigation ongoing
8	Condensate	X60	Steelcasing	2017	Build-up	Lateral buckle observed at 8" condensate pipeline	Major	Ok	Pipeline locked by installing rock cover on buckled section. Evaluations carried out by IKM has documentet that integrity of pipeline has been restored by additional rock installation.
10	Oil/gas		Steelcasing	2017	Build-up	Installation  Upheaval buckling observed on 10"	Major	Repair	It is planned to cover and lock buckle by installation of rock and/or concrete mattresses.

dimension	medium	material	object	year	anomaly	cause	severity	status	repair
12	Oil	Coflex	Annulus	2017	Other	Cause: Not Known Droplets of liquids from flexibl	Minor	Evaluation	Visual inspection subsea and topsides, liquid sampling, and gas testing
6	Oil/gas	PA 11	Riser wall	2017	Hole	Unknown, but cracs in liner	Major	Evaluation	- Pipe is shuth down. - Leaktest with water - Pipe disqualified - Retreaved parts for further investigation - Cracs in liner discovered, failure cause not concluded - New pipe ordered, installed and put in service
0	Umbilical		Riser wall	2017	Hole	Wear to Guide tube wall	Minor	Repair	GLU shut down and recovered to shore. Will not be repaired.
36	Gas	X60	-	2017	Frispenn	Utvasking av sjøbunn i tidevannskanal	Insignificant	OK	Området mudret og røret senket lokalt. Røret steindumpet lokalt etter senking.
8	Oil	PVDF	Coating	2017	Other	High temp. under bending stiffener	Minor	Ok	The riser/jumper is repaired by sealing of the damaged area and controlling the annulus environment.
30	Gas	X65	Field Joint Coating	2017	Field Joint Coating damage and pipeline deflection	Anchor hooking	Minor	Monitoring	No repair needed
30	Gas	X65	Concrete coating	2017	Minor concrete coating damage	Uknown	Insignificant	OK	No
30	Gas	X65	Field Joint Coating	2017	Field joint coating damage - No bare metal	Trawling	Insignificant	OK	No
30	Gas	X65	Field Joint Coating	2017	FJC damage with bare metal	trawling	Minor	OK	No
30	Gas	X65	PP coating	2017	Damage to PP coating at pipe	Wear/tear of coating at Active Pipe Support (APS)	Minor	OK	No
30	Gas	X65	Concrete coating damage, movement and dent	2018	Coating damage, dent and deflection	Anchor hook	Minor	Monitoring	No
30	Gas	X65	Concrete damage	2018	Concrete coating damages (grouped reporting)	trawling	Insignificant	OK	No
30	Gas	X65	Field Joint Coating	2018	Field Joint Coating damage - no bare metal	trawling	Minor	Monitoring	No
30	Gas	X65	Field Joint Coating	2018	Field Joint Coating damage with bare metal	Trawling	Minor	Monitoring	No
30	Gas	X65	PP coating	2018	PP coating damage	wear and tear on pipe support (APS)	Minor	Monitoring	No
28	Oil	SAWL 450	Fire beleggskader	2018	Redusert korrosjonsbeskyttelse	Feltskjøt/riper	Minor	Repair	Reparasjonsmetode Fjerne gammelt løst belegg og preparere stållate etter ISO-krav/interne Statoil krav (TR) og med FROSIO-sertifisert inspektør til stede for godkjenning, før påføring av nytt belegg.

dimension	medium	material	object	year	anomaly	cause	severity	status	repair
12	Gas		1 beleggsade	2018	Redusert korrosjonsbeskyttelse	Krympestrømpen hadde ikke vedheft.	Minor	OK	Reparasjonsmetode: Her ble det benyttet Stopaq CZH wrappingband direkte på preparert stålflate (etter ISO/interne TR-krav og FROSIO-inspektør), med Stopaq PVC Outerwrapp for mekanisk beskyttelse. Påført Stopaq CZH wrappingbånd holidaytestet på 20kV.
8	Condensate		20 beleggsader	2018	Redusert korrosjonsbeskyttelse	Dårlig kvalitet på feltskjøter	Insignificant	OK	Reparasjonsmetode: Her ble det benyttet Stopaq CZH wrappingband direkte på preparert stålflate (etter ISO/interne TR-krav og FROSIO-inspektør), med Stopaq PVC Outerwrapp for mekanisk beskyttelse. Påført Stopaq CZH wrappingbånd holidaytestet på 20kV.
28	Oil	SAWL 450	P330 EGOP KP0.058	2018	Axial sliding of weight coating	Thermal expansion and gravel lock	Insignificant	Monitoring	Monitoring
18	Gas		-	2018	Bare metal, coating damage	Installation	Minor	Monitoring	No. 2020 update. CP stabbing performed during as-built survey. Stabbed -1072 mV vs Ag/AgCl: confirmed of good protection.
18	Gas		-	2018	Bare metal, coating damage	Installation	Minor	Monitoring	No. 2020 update. CP stabbing performed during as-built survey. Stabbed -1062 mV vs Ag/AgCl: confirmed good corrosion protection.
32	Gas	SAWL 450	-	2018	Internal metal loss anomaly	Fabrication	Insignificant	OK	N/A
32	Gas	SAWL 450	-	2018	Internal metal loss anomaly	Fabrication	Insignificant	OK	N/A
32	Gas	SAWL 450	-	2018	Internal metal loss anomaly	Fabrication	Insignificant	OK	N/A
32	Gas	SAWL 450	-	2018	Internal metal loss anomaly	Fabrication	Insignificant	OK	N/A
32	Gas	SAWL 450	-	2018	Internal metal loss anomaly	Fabrication	Insignificant	OK	N/A
32	Gas	SAWL 450	-	2018	Internal metal loss anomaly	Fabrication	Insignificant	OK	N/A
32	Gas	SAWL 450	-	2018	Internal metal loss anomaly	Fabrication	Insignificant	OK	N/A
32	Gas	SAWL 450	-	2018	Internal metal loss anomaly	Fabrication	Insignificant	OK	N/A
32	Gas	SAWL 450	-	2018	Internal metal loss anomaly	Fabrication	Insignificant	OK	N/A
32	Gas	SAWL 450	-	2018	Internal metal loss anomaly	Fabrication	Insignificant	OK	N/A
32	Gas	SAWL 450	-	2018	Internal metal loss anomaly	Unknown	Insignificant	OK	N/A
32	Gas	SAWL 450	-	2018	Internal metal loss anomaly	Fabrication	Insignificant	OK	N/A
32	Gas	SAWL 450	-	2018	Internal metal loss anomaly	Fabrication	Insignificant	OK	N/A

dimension	medium	material	object	year	anomaly	cause	severity	status	repair
20	Gas	X65	Coating	2018	Bare-metal	not confirmed	Minor	Monitoring	No repair is planned at this stage
10	Oil/gas	X60	Tordis flowline A, UHB rectification	2019	Upheaval buckle	Installation	Minor	OK	The buckle is now protected with a rock cover. The rock installation was completed 21/4-2019
40	Gas	X65	-	2019	Axial sliding of weightcoating	export temperature variations.	Insignificant	Monitoring	No. Monitoring
40	Gas	X65	-	2019	Axial sliding of weightcoating	export temperature variations.	Insignificant	Monitoring	No. Monitoring
40	Gas	X65	-	2019	Axial sliding of weightcoating	export temperature variations.	Insignificant	Monitoring	No. Monitoring
40	Gas	X65	-	2019	Axial sliding of weightcoating	export temperature variations.	Insignificant	Monitoring	No. Monitoring
36	Gas	X65	-	2019	concrete coating spalling	third party impact	Insignificant	Monitoring	No .only monitoring
36	Gas	X65	-	2019	Concrete coating spalling	third party impact	Insignificant	Monitoring	No .only monitoring
36	Gas	X65	-	2019	Damage on corrosion coating of Field Joint	third party impact	Insignificant	Monitoring	No .only monitoring
42	Gas	X70	Pipeline coating	2020	Field Coating damage with possible bare metal	Third party activity	Insignificant	Monitoring	No repair needed. Will be monitored as part of later planned pipeline inspections.