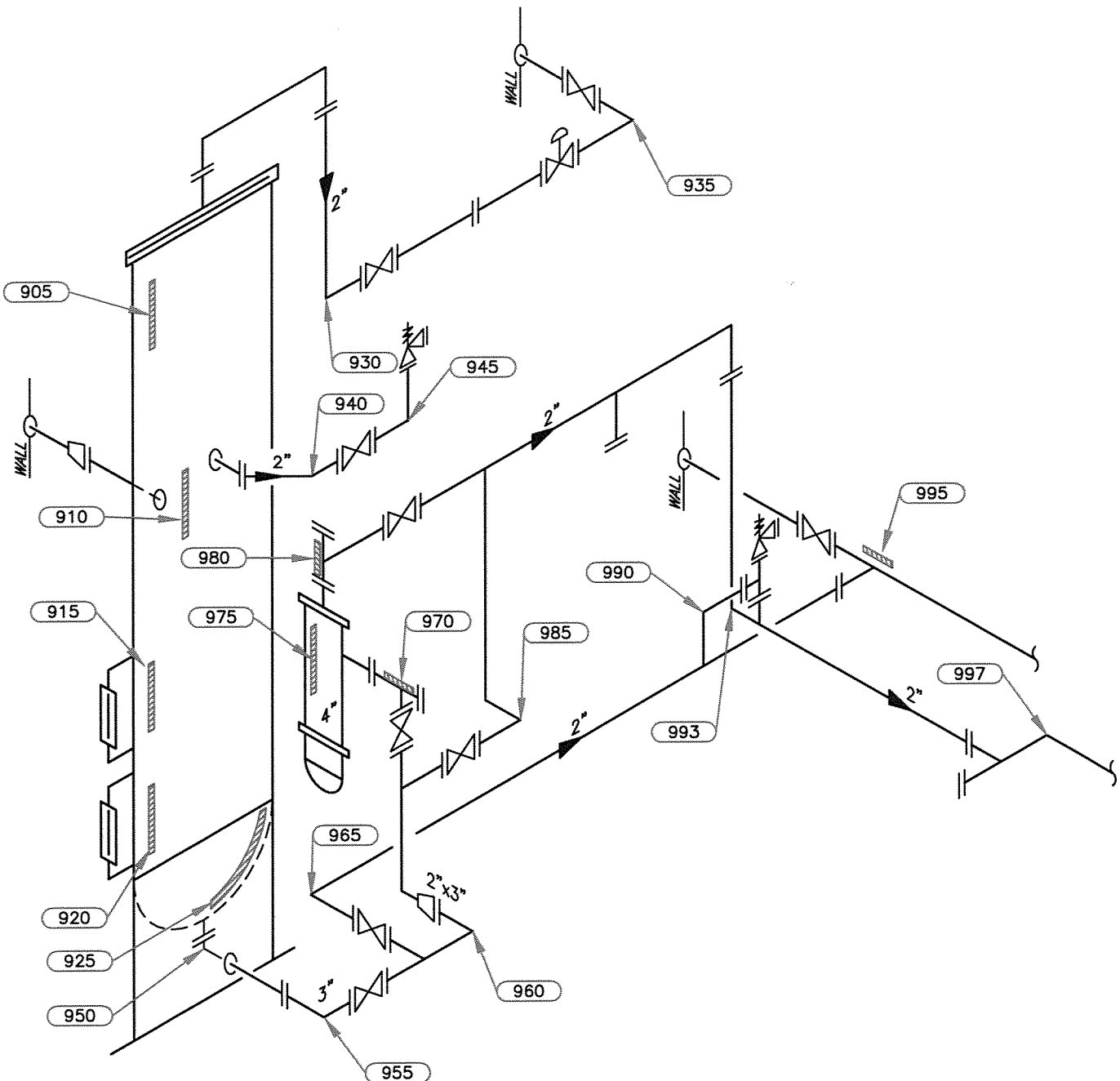




Equip. No. **50-0113-V-801** Reg. No. **502821** C.R.N. **R-4547.2** Serial No. **B-6982-2** Yr. Inst. _____
 Code/Div. **ASME** Size: _____ Manufacturer: **ENERFLEX** Yr. Bld. **2003**
 C. Stamp: **NO** Service: **SOUR** PWHT: **YES** Radiography: **RT-1** Insulated: **NO**

Design & Materials Data

HEAD:
 Mat'l. **SA 516 70N** Nom. **14.2mm** C.A. **3.2mm**
 Mat'l. _____ Nom. _____ C.A. _____
CHANNEL:
 Material: _____ Nominal: _____ C.A. _____
BOOT
 Head Mat'l. _____ Head Nom. _____ Head C.A. _____
 Shell Mat'l. _____ Shell Nom. _____ Shell C.A. _____
SHELL
 Material: **SA 516 70N** Nominal: **15.9mm** C.A. **3.2mm**
 MAWP Shell Side: **4654 kPa** @ Temp. **93°C**
 MAWP Tube Side: _____ @ Temp. _____

CLIENT	PETRO CANADA
FACILITY	HANLAN-ROBB GAS PLANT MINEHEAD FIELD UNIT#50 LSD 01-13-49-19 W5M
ITEM	PRODUCED WATER FLASH VESSEL
BY: CB	DATE: 01/2004 DWG.# 9



UTS DATA

CLIENT: PETRO-CANADA OIL AND GAS
EQUIPMENT: PRODUCED WATER FLASH VESSEL

FACILITY: UNIT 50 MINEHEAD

SERVICE: SOUR

EQUIPMENT ID#:
 PROV REG: A 502821

LOCATION: 01-13-49-19 W5M

RTD JOB #: 2121176

TESTED ON STREAM

REFER TO DRAWING: 9

Test Point	THICKNESS DATA								Flag	Crit	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Flag Date
905																
Description:	TOP SHELL															
	2004	1	2005	4	2006	4	2007	5								
Min. Thick.	15.8		15.8		15.8		15.8		12.7	12.7	3.2	15.9	0	0		L
Average:	15.9		15.9		15.9		15.9						0	0		L
Analysis:																
910																
Description:	UPPER SHELL															
	2004	1	2005	4	2006	4	2007	5								
Min. Thick.	15.9		15.9		15.9		15.9		12.7	12.7	3.2	15.9	0	0		L
Average:	16.0		16.0		16.0		16.0						0	0		L
Analysis:																
915																
Description:	MID SHELL															
	2004	1	2005	4	2006	4	2007	5								
Min. Thick.	15.9		15.9		15.9		15.9		12.7	12.7	3.2	15.9	0	0		L
Average:	16.0		16.0		16.0		16.0						0	0		L
Analysis:																
920																
Description:	BOTTOM SHELL															
	2004	1	2005	4	2006	4	2007	5								
Min. Thick.	15.7		15.7		15.7		15.7		12.7	12.7	3.2	15.9	0	0		L
Average:	15.8		15.8		15.8		15.8						0	0		L
Analysis:																
925																
Description:	BOTTOM HEAD															
	2004	1	2005	4	2006	4	2007	5								
Min. Thick.	15.5		15.4		15.4		15.4		11.0	11.0	3.2	14.2	0	.03		L
Average:	15.7		15.6		15.6		15.6						0	.03		L
Analysis:																



UTS DATA

CLIENT: PETRO-CANADA OIL AND GAS
EQUIPMENT: PRODUCED WATER FLASH VESSEL PIPING
INSTRUMENT ID#:
PROV REG:

FACILITY: UNIT 50 MINEHEAD
SERVICE: SOUR
LOCATION: 01-13-49-19 W5M
RTD JOB #: 2121176

TESTED ON STREAM

REFER TO DRAWING: 9

Test Point	THICKNESS DATA								Flag	Crit	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Flag Date
930																
Description:	2" 90° ELBOW															
	2004	1	2005	4	2006	4	2007	5								
Min. Thick.	4.8		4.8		4.8		4.8		2.5	2.5	3.0	5.5	0	0		L
Average:	5.2		5.2		5.2		5.2						0	0		L
Analysis:	2004/01 MID SCAN @ MID BAND															
935																
Description:	2" 90° ELBOW															
	2004	1	2005	4	2006	4	2007	5								
Min. Thick.	5.0		5.0		5.3		5.3		2.5	2.5	3.0	5.5	0	0		S
Average:	5.2		5.2		5.5		5.5						0	0		S
Analysis:																
940																
Description:	2" 45° ELBOW															
	2004	1	2005	4	2006	4	2007	5								
Min. Thick.	4.9		4.9		4.9		4.9		2.5	2.5	3.0	5.5	0	0		L
Average:	5.3		5.3		5.3		5.3						0	0		L
Analysis:																
945																
Description:	2" 90° ELBOW															
	2004	1	2005	4	2006	4	2007	5								
Min. Thick.	5.1		5.1		5.1		5.1		2.5	2.5	3.0	5.5	0	0		L
Average:	5.4		5.4		5.4		5.4						0	0		L
Analysis:																
950																
Description:	3" 90° ELBOW															
	2004	1	2005	4	2006	4	2007	5								
Min. Thick.	6.7		7.0		7.0		7.0		2.5	2.5	5.1	7.6	0	0		S
Average:	7.2		7.4		7.4		7.4						0	0		S
Analysis:	2005/04 UNABLE TO LOCATED LAST YEARS MIN SCAN															
955																
Description:	3" 90° ELBOW															
	2004	1	2005	4	2006	4	2007	5								
Min. Thick.	6.5		6.6		6.6		6.6		2.5	2.5	5.1	7.6	0	0		S
Average:	7.5		7.1		7.1		7.1						0	.12		L
Analysis:	2005/04 MIN SCAN 1" FROM D.S.W.															2045



UTS DATA

CLIENT: PETRO-CANADA OIL AND GAS
EQUIPMENT: PRODUCED WATER FLASH VESSEL PIPING
CLIENT ID#:
JOB REG:

FACILITY: UNIT 50 MINEHEAD
SERVICE: SOUR
LOCATION: 01-13-49-19 W5M
RTD JOB #: 2121176

TESTED ON STREAM

REFER TO DRAWING: 9

Test Point	THICKNESS DATA								Flag	Crit	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Flag Date
960																
Description:	3" 90° ELBOW															
	2004	1	2005	4	2006	4	2007	5								
Min. Thick.	6.5		6.9		6.9		6.9		2.5	2.5	5.1	7.6	0	0		S
Average:	7.5		7.4		7.4		7.4						0	.03		L
Analysis:	2005/04 MIN SCAN @ MID BAND															
965																
Description:	2" 90° ELBOW															
	2004	1	2005	4	2006	4	2007	5								
Min. Thick.	4.9		4.9		4.9		4.9		2.5	2.5	3.0	5.5	0	0		L
Average:	5.2		5.2		5.2		5.2						0	0		L
Analysis:																
970																
Description:	2 X 2 TEE															
	2004	1	2005	4	2006	4	2007	5								
Min. Thick.	5.3		6.3		6.3		6.3		2.5	2.5	3.0	5.5	0	0		S
Average:	5.6		7.2		7.2		7.2						0	0		S
Analysis:	2005/04 PIPE CHANGE															
975																
Description:	SIDE BAND ON 4"															
	2004	1	2005	4	2006	4	2007	5								
Min. Thick.	8.1		8.1		8.1		8.1		5.4	5.4	3.2	8.6	0	0		L
Average:	8.3		8.3		8.3		8.3						0	0		L
Analysis:																
985																
Description:	2" 90° ELBOW															
	2004	1	2005	4	2006	4	2007	5								
Min. Thick.	5.3		4.8		4.8		4.8		2.5	2.5	3.0	5.5	0	.15		L 2022
Average:	5.7		5.2		5.2		5.2						0	.15		L 2025
Analysis:	2004/01 MID SCAN @ MID BAND															
990																
Description:	2" 90° ELBOW															
	2004	1	2005	4	2006	4	2007	5								
Min. Thick.	4.6		4.6		4.6		4.6		2.5	2.5	3.0	5.5	0	0		L
Average:	4.9		4.9		4.9		4.9						0	0		L
Analysis:																

