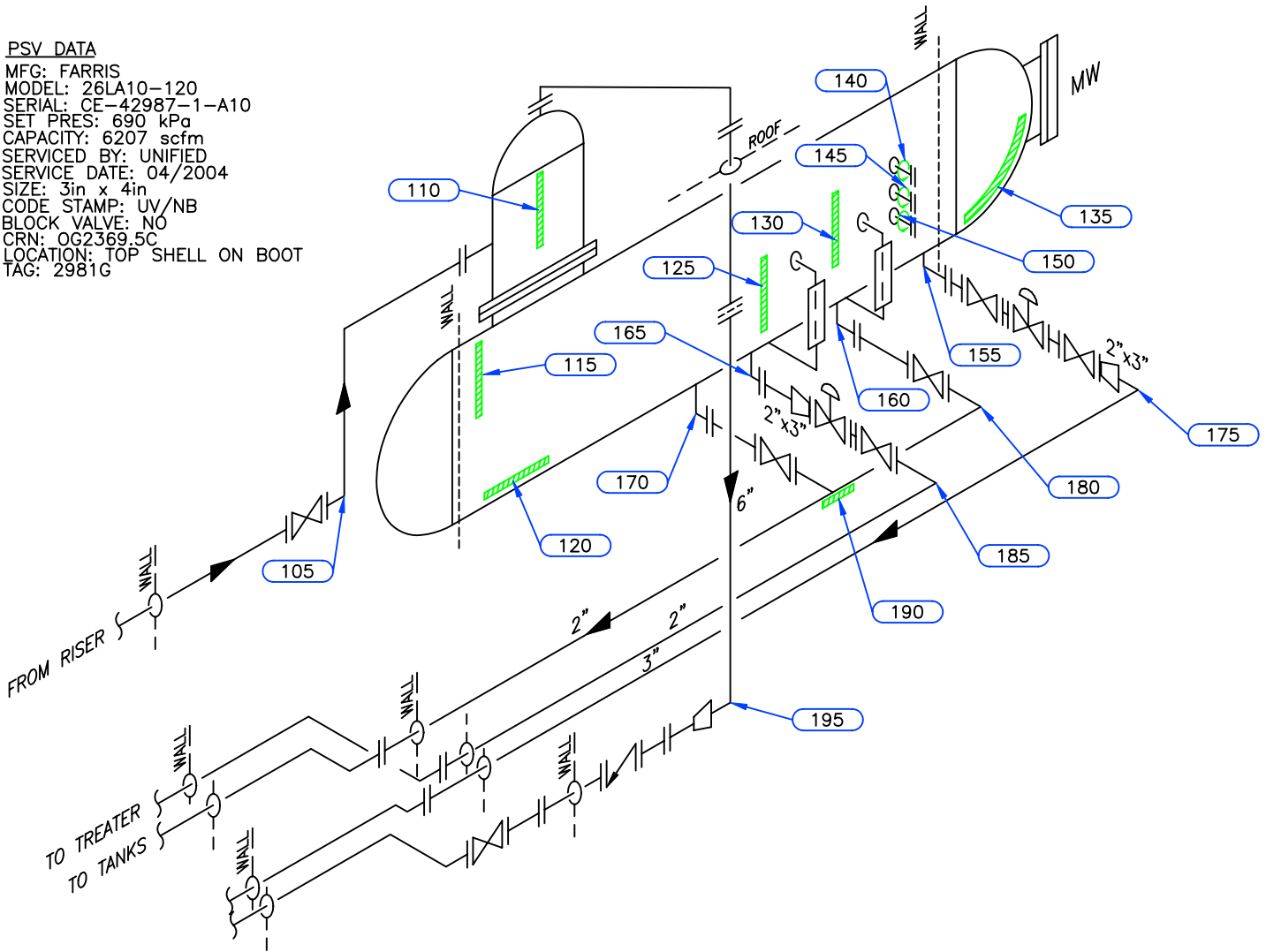


PSV DATA

MFG: FARRIS
 MODEL: 26LA10-120
 SERIAL: CE-42987-1-A10
 SET PRES: 690 kPa
 CAPACITY: 6207 scfm
 SERVICED BY: UNIFIED
 SERVICE DATE: 04/2004
 SIZE: 3in x 4in
 CODE STAMP: UV/NB
 BLOCK VALVE: NO
 CRN: OG2369.5C
 LOCATION: TOP SHELL ON BOOT
 TAG: 2981G



Equip. No. _____ Prov. Reg. No. Ⓐ CN 96122 C.R.N. M-9977.231 Serial No. 95-8021-0 Yr. Inst. _____
 Code/Div. ASME VIII, Div 1 Size: 96in x 20ft Manufacturer: WELLS HALL FAB. Yr. Bld. 1996
 C. Stamp: U Service: SOUR PWHT: HT Radiography: RT-1 Insulated: 10%

Design & Materials Data

HEAD:
 Top Mat'l. SA 516 70 Top Nom. 21.5mm Top C.A. _____
 Btm. Mat'l. _____ Btm. Nom. _____ Btm. 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 70 Nominal: 22.2mm C.A. _____
 MAWP Shell Side: 1724 kPa @ Temp. 66°C
 MAWP Tube Side: _____ @ Temp. _____

CLIENT	CANADIAN NATURAL RESOURCES LTD		
FACILITY	SOUTH BUICK COMPRESSOR STATION d-78-1/94-A-11		
ITEM	SOUR EMULSION SEPARATOR		
BY: LR	DATE: 07/2007	DWG.# 3-1	

UTS DATA

CLIENT: CANADIAN NATURAL RESOURCES
EQUIPMENT: SOUR EMULSION SEPARATOR
CRN#: M-9977.231
PROV REG: CN 96122
TESTED ON STREAM

FACILITY: SOUTH BUICK COMPRESSOR STATION
SERVICE: SOUR
LOCATION: d-78-l/94-A-11
RTD JOB #: 05.000082
REFER TO DRAWING: 3-1

Test Point	THICKNESS DATA		Flag	Crit	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Flag Date
110	Description: BOOT-SHELL									
	2007	3								
Min. Thick.	12.7		0							L
Average:	12.9						0	0		L
Analysis:										
115	Description: UPPER SHELL									
	2007	3								
Min. Thick.	22.8			22.2		22.2				L
Average:	22.9						0	0		L
Analysis:										
120	Description: BOTTOM SHELL									
	2007	3								
Min. Thick.	22.5			22.2		22.2				L
Average:	22.6						0	0		L
Analysis:										
125	Description: LOWER SHELL									
	2007	3								
Min. Thick.	22.5			22.2		22.2				L
Average:	22.6						0	0		L
Analysis:										
130	Description: LOWER SHELL									
	2007	3								
Min. Thick.	22.7			22.2		22.2				L
Average:	22.8						0	0		L
Analysis:										
135	Description: LOWER HEAD									
	2007	3								
Min. Thick.	22.2			21.5		21.5				L
Average:	22.3						0	0		L
Analysis:										

UTS DATA

CLIENT: CANADIAN NATURAL RESOURCES
EQUIPMENT: SOUR EMULSION SEPARATOR
CRN#: M-9977.231
PROV REG: CN 96122
TESTED ON STREAM

FACILITY: SOUTH BUICK COMPRESSOR STATION
SERVICE: SOUR
LOCATION: d-78-l/94-A-11
RTD JOB #: 05.000082
REFER TO DRAWING: 3-1

Test Point	THICKNESS DATA				Flag	Crit	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Flag Date
140												
Description:	2" CIRC BAND											
	2007 3											
Min. Thick.	10.2	11.1	1.6		11.1							L 2007
Average:	10.4							0	0			L 2007
Analysis:	2007/03 CRITICAL THICKNESS CALCULATIONS CARRIED OUT TO 0.5mm BUT CODE MINIMUM IS MAINTAINED AT 1.6mm											
145												
Description:	2" CIRC BAND											
	2007 3											
Min. Thick.	10	11.1	1.6		11.1							L 2007
Average:	10.2							0	0			L 2007
Analysis:	2007/03 CRITICAL THICKNESS CALCULATIONS CARRIED OUT TO 0.5mm BUT CODE MINIMUM IS MAINTAINED AT 1.6mm											
150												
Description:	2" CIRC BAND											
	2007 3											
Min. Thick.	10	11.1	1.6		11.1							L 2007
Average:	10.2							0	0			L 2007
Analysis:	2007/03 CRITICAL THICKNESS CALCULATIONS CARRIED OUT TO 0.5mm BUT CODE MINIMUM IS MAINTAINED AT 1.6mm											
155												
Description:	3" 90° NOZZLE											
	2007 3											
Min. Thick.	10.2	11.1	1.6		11.1							L 2007
Average:	10.4							0	0			L 2007
Analysis:	2007/03 CRITICAL THICKNESS CALCULATIONS CARRIED OUT TO 0.5mm BUT CODE MINIMUM IS MAINTAINED AT 1.6mm											
160												
Description:	3" 90° NOZZLE											
	2007 3											
Min. Thick.	11	11.1	1.6		11.1							L 2007
Average:	11.8							0	0			L
Analysis:	2007/03 MIN SCAN AT MID APEX. CRITICAL THICKNESS CALCULATIONS CARRIED OUT TO 0.5mm BUT CODE MINIMUM IS MAINTAINED AT 1.6mm											
165												
Description:	3" 90° NOZZLE											
	2007 3											
Min. Thick.	10	11.1	1.6		11.1							L 2007
Average:	10.7							0	0			L 2007
Analysis:	2007/03 MIN SCAN AT MID APEX. CRITICAL THICKNESS CALCULATIONS CARRIED OUT TO 0.5mm BUT CODE MINIMUM IS MAINTAINED AT 1.6mm											

UTS DATA

CLIENT: CANADIAN NATURAL RESOURCES
EQUIPMENT: SOUR EMULSION SEPARATOR
CRN#: M-9977.231
PROV REG: CN 96122
TESTED ON STREAM

FACILITY: SOUTH BUICK COMPRESSOR STATION
SERVICE: SOUR
LOCATION: d-78-l/94-A-11
RTD JOB #: 05.000082
REFER TO DRAWING: 3-1

Test Point	THICKNESS DATA				Flag	Crit	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Flag Date
170												
Description:	2" 90° NOZZLE											
	2007 3											
Min. Thick.	9.9			11.1	1.6		11.1					L 2007
Average:	10.6							0	0			L 2007
Analysis:	2007/03 MIN SCAN AT MID APEX. CRITICAL THICKNESS CALCULATIONS CARRIED OUT TO 0.5mm BUT CODE MINIMUM IS MAINTAINED AT 1.6mm											

UTS DATA

CLIENT: CANADIAN NATURAL RESOURCES
EQUIPMENT: SOUR EMULSION SEPARATOR PIPING
CRN#:
PROV REG:
TESTED ON STREAM

FACILITY: SOUTH BUICK COMPRESSOR STATION
SERVICE: SOUR
LOCATION: d-78-l/94-A-11
RTD JOB #: 05.000082
REFER TO DRAWING: 3-1

Test Point	THICKNESS DATA				Flag	Crit	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Flag Date
105												
Description:	6" 90° ELBOW											
	2007 3											
Min. Thick.	6.4	6.21	.9	7.1					0	0		L
Average:	6.6											L
Analysis:												
175												
Description:	3" 90° ELBOW											
	2007 3											
Min. Thick.	5.5	4.81	.7	5.5					0	0		L
Average:	5.6											L
Analysis:												
180												
Description:	3" 90° ELBOW											
	2007 3											
Min. Thick.	5.8	4.81	.7	5.5					0	0		L
Average:	5.9											L
Analysis:												
185												
Description:	2" 90° ELBOW											
	2007 3											
Min. Thick.	4.9	4.81	.7	5.5					0	0		L
Average:	5.3											L
Analysis:	2007/03 MIN SCAN AT MID APEX											
190												
Description:	2" x 2" TEE											
	2007 3											
Min. Thick.	6.8	4.81	.7	5.5					0	0		L
Average:	7.1											L
Analysis:												
195												
Description:	6" 90° ELBOW											
	2007 3											
Min. Thick.	6.5	6.21	.9	7.1					0	0		L
Average:	6.7											L
Analysis:												