



Equip. No. \_\_\_\_\_ Prov. Reg. No. 403525 C.R.N. N-5217.21 Serial No. C 756A.CB Yr. Inst. \_\_\_\_\_  
 Code/Div. ASME B31.3 Size: 48in x 16ft Manufacturer: RUSHTON Yr. Blt. 1998  
 C. Stamp: NO Service: SOUR PWHT: HT Radiography: RT-1 Insulated: YES

**Design & Materials Data**

**HEAD:**  
 Top Mat'l. SA 36 Top Nom. 9.5mm 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 36 Nominal: 9.5mm C.A. \_\_\_\_\_  
 MAWP Shell Side: 21609 kPa @ Temp. 93°C  
 MAWP Tube Side: \_\_\_\_\_ @ Temp. \_\_\_\_\_

CLIENT	CANADIAN NATURAL RESOURCES	
FACILITY	WEST BLUEBERRY BATTERY	
	LSD 12-29-88-25 W6M	
ITEM	LINE HEATER	
BY: TR	DATE: 04/2008	DWG.# 27

# UTS DATA

**CLIENT:** CANADIAN NATURAL RESOURCES  
**EQUIPMENT:** LINE HEATER  
**CRN#:** N-5217.21  
**PROV REG:** A 403525  
**TESTED ON STREAM**

**FACILITY:** WEST BLUEBERRY BATTERY  
**SERVICE:** SOUR  
**LOCATION:** 12-29-88-25 W6M  
**RTD JOB #:** 105.00828  
**REFER TO DRAWING:** 27

Test Point	THICKNESS DATA						Flag	Crit	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Flag Date
<b>2725</b>														
Description: MID SHELL														
	2005	6	2008	3	2010	8								
Min. Thick.	9.5		9.5		9.5		8.31	1.6	9.5	0	0		L	
Average:	9.6		9.6		9.6					0	0		L	
Analysis:														
<b>2730</b>														
Description: BOTTOM SHELL														
	2005	6	2008	3	2010	8								
Min. Thick.	9.2		9.2		9.2		8.31	1.6	9.5	0	0		L	
Average:	9.3		9.3		9.3					0	0		L	
Analysis:														

# UTS DATA

**CLIENT:** CANADIAN NATURAL RESOURCES  
**EQUIPMENT:** LINE HEATER PIPING  
**CRN#:**  
**PROV REG:**  
**TESTED ON STREAM**

**FACILITY:** WEST BLUEBERRY BATTERY  
**SERVICE:** SOUR  
**LOCATION:** 12-29-88-25 W6M  
**RTD JOB #:** 105.00828  
**REFER TO DRAWING:** 27

Test Point	THICKNESS DATA								Flag	Crit	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Flag Date
<b>2705</b>																
Description: 2" 90° ELBOW																
	2005	6	2008	3	2008	4	2010	8								
Min. Thick.	9		9		9		9		7.61		1.1	8.7	0	0		L
Average:	9.5		9.5		9.5		9.5						0	0		L
Analysis: 2005/06 MIN SCAN AT MID APEX.																
<b>2710</b>																
Description: 2" 90° ELBOW																
	2005	6	2008	3	2008	4	2010	8								
Min. Thick.	7.9		7.9		7.7		7.7		7.61		1.1	8.7	0	.04		L 2012
Average:	8.6		8.6		8		8						0	.12		L 2014
Analysis: 08/2010 MIN SCAN AT MID APEX.																
<b>2720</b>																
Description: 3" TEE																
	2010	8														
Min. Thick.	8.6															
Average:	9.1															
Analysis: 08/2010 MIN SCAN AT WELD																
<b>2740</b>																
Description: 2" CIRC BAND																
	2010	8														
Min. Thick.	7.2															
Average:	7.4															
Analysis:																