



Equip. No. _____ Prov. Reg. No. **418376** C.R.N. **M-1551.21** Serial No. **BW139.073** Yr. Inst. _____
 Code/Div. **ASME B31.3** Size: **30in x 12ft** Manufacturer: **BROOKS WELDING** Yr. Blt. **1998**
 C. Stamp: _____ Service: **SOUR** PWHT: **HT** Radiography: **RT-1** Insulated: **YES**

Design & Materials Data

HEAD:
 Top Mat'l. **SA 36** Top Nom. **7.9mm** Top C.A. **1.6mm**
 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: **7.9mm** C.A. **1.6mm**
 MAWP Shell Side: **COIL A: 17287 kPa** @ Temp. **93°C**
 MAWP Tube Side: **COIL B: 8943 kPa** @ Temp. **93°C**

CLIENT	CANADIAN NATURAL RESOURCES LTD	
FACILITY	WEST BLUEBERRY GAS GATHERING b-28-L/94-A-12	
ITEM	LINE HEATER	
BY: IDM	DATE: 08/2010	DWG.# 38

UTS DATA

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

FACILITY: WEST BLUEBERRY GAS GATHERING
SERVICE:
LOCATION: b-28-L/94-A-12
RTD JOB #: 105.00828
REFER TO DRAWING: 38

Test Point	THICKNESS DATA	Flag	Crit	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Flag Date
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205									
Description:	3" 90° ELBOW								
	2010 8								
Min. Thick.	10	9.71		1.4	11.1				L
Average:	10.6					0	0		L
Analysis:									
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210									
Description:	2" 90° ELBOW								
	2010 8								
Min. Thick.	7.5	7.61	3	1.1	8.7				L 2010
Average:	7.9					0	0		L
Analysis:									
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215									
Description:	3" 90° ELBOW								
	2010 8								
Min. Thick.	7.8	6.65		1	7.6				L
Average:	8.1					0	0		L
Analysis:									
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