



Equip. No. _____ Prov. Reg. No. **A 437716** C.R.N. **N-6863.2** Serial No. **L-270** Yr. Inst. _____
 Code/Div. **ASME B31.3** Size: **32in x 10ft** Manufacturer: **ARGO SALES** Yr. Bld. **1997**
 C. Stamp: _____ Service: **SOUR** PWHT: **HT** Radiography: **RT-1** Insulated: **90%**

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: **20684 kPa** COIL 1 @ Temp. **93°C**
 MAWP Tube Side: **20684 kPa** COIL 2 @ Temp. **93°C**

CLIENT	CANADIAN NATURAL RESOURCES	
FACILITY	KNOPCIK GAS GATHERING LSD 102/06-02-74-11 W6M	
ITEM	WELLHEAD TO LINE HEATER	
BY: TR/CM	DATE: 2011/03	DWG.# 121

UTS DATA

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

FACILITY: KNOPCIK GAS GATHERING
SERVICE: SOUR
LOCATION: 102/06-02-74-11 W6
RTD JOB #: 10.110056
REFER TO DRAWING: 121

Test Point	THICKNESS DATA				Flag	Crit	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Flag Date
105												
Description: 2" 90° ELBOW												
2011 3												
Min. Thick.	10.8	9.71	1.4	11.10					0	0		L
Average:	11.1											L
Analysis:												
110												
Description: 2" 90° ELBOW												
2011 3												
Min. Thick.	11.2	9.71	1.4	11.10					0	0		L
Average:	11.5											L
Analysis:												
115												
Description: 2" 90° ELBOW												
2011 3												
Min. Thick.	13	9.71	1.4	11.10					0	0		L
Average:	13.3											L
Analysis:												
120												
Description: 2" 90° ELBOW												
2011 3												
Min. Thick.	3.7	3.41	.5	3.90					0	0		L
Average:	4											L
Analysis:												
130												
Description: 2" 90° ELBOW												
2011 3												
Min. Thick.	8.6	7.61	1.1	8.70					0	0		L
Average:	8.9											L
Analysis:												
135												
Description: 2" 90° ELBOW												
2011 3												
Min. Thick.	7.9	7.61	1.1	8.70					0	0		L
Average:	8.1											L
Analysis:												

UTS DATA

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

FACILITY: KNOPCIK GAS GATHERING
SERVICE: SOUR
LOCATION: 102/06-02-74-11 W6
RTD JOB #: 10.110056
REFER TO DRAWING: 121

Test Point	THICKNESS DATA			Flag	Crit	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Flag Date
140											
Description:	2" 90° ELBOW										
	2011 3										
Min. Thick.	12.6			7.61		1.1	8.70				L
Average:	12.9							0	0		L
Analysis:											
145											
Description:	2" 90° ELBOW										
	2011 3										
Min. Thick.	9			7.61		1.1	8.70				L
Average:	9.3							0	0		L
Analysis:											