



Equip. No. _____ Prov. Reg. No. **A 439967** C.R.N. **O-2865.2T31** Serial No. **7044-52B** Yr. Inst. _____
 Code/Div. **ASME VIII Div 1** Size: **60in x 20ft** Manufacturer: **NATCO** Yr. Blt. **1998**
 C. Stamp: **NO** Service: **SWEET** PWHT: **HT** Radiography: **RT-1** Insulated: _____

Design & Materials Data

HEAD:
 Top Mat'l. **SA 36** Top Nom. **6.4mm** 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: **6.4mm** C.A. **1.6mm**
 MAWP Shell Side: **23269 kPa** @ Temp. **93°C**
 MAWP Tube Side: **13962 kPa** @ Temp. **93°C**

CLIENT	CANADIAN NATURAL RESOURCES	
FACILITY	LADYFERN EAST (MERION) LSD 10-19-94-12 W6M	
ITEM	INLET LINE HEATER	
BY: NR	DATE: 01/2009	DWG.# 1

UTS DATA

CLIENT CANADIAN NATURAL RESOURCES
EQUIPMENT INLET LINE HEATER
CRN: O-2865.2T31
PROV REG A 439967
TESTEL ON STREAM

FACILITY LADYFERN EAST (MERION)
SERVICE SWEET
LOCATION 10-19-94-12 W6M
RTD JOB # 10.114114
REFER TO DRAWING 1

Test Point	THICKNESS DATA				Flag	T-Min	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Retirement Date
135	Description: SIDE BAND											
	2009	1	2014	1								
Min. Thick.	6		6		0.00				0	0		
Average:	6.1		6.1						0	0		
Analysis:												
140	Description: TOP SHELL											
	2009	1	2014	1								
Min. Thick.	6.2		6.2		4.80	1.6	6.40		0	0		
Average:	6.4		6.4						0	0		
Analysis:												
145	Description: BOTTOM SHELL											
	2009	1	2014	1								
Min. Thick.	6.3		6.3		4.80	1.6	6.40		0	0		
Average:	6.4		6.4						0	0		
Analysis:												
150	Description: BOTTOM SHELL											
	2009	1	2014	1								
Min. Thick.	6		6		4.80	1.6	6.40		0	0		
Average:	6.2		6.2						0	0		
Analysis:												

UTS DATA

CLIENT CANADIAN NATURAL RESOURCES
EQUIPMENT INLET LINE HEATER PIPING
CRN:
PROV REG
TESTE ON STREAM

FACILITY LADYFERN EAST (MERION)
SERVICE SWEET
LOCATION 10-19-94-12 W6M
RTD JOB # 10.114114
REFER TO DRAWING 1

Test Point	THICKNESS DATA				Flag	T-Min	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Retirement Date
105												
Description:	3" 90° ELBOW											
	2009	1	2014	1								
Min. Thick.	10.7		10.7		9.71		1.4	11.10	0		0	
Average:	11		11						0		0	
Analysis:												
110												
Description:	2" 90° ELBOW											
	2009	1	2014	1								
Min. Thick.	8.1		8.1		7.61		1.1	8.70	0		0	
Average:	8.4		8.4						0		0	
Analysis:	2009/01 MIN SCAN AT MID ELBOW MID APEX.											
115												
Description:	2" 90° ELBOW											
	2009	1	2014	1								
Min. Thick.	8.7		8.7		7.61		1.1	8.70	0		0	
Average:	9.1		9.1						0		0	
Analysis:	2009/01 MIN SCAN AT MID ELBOW MID APEX.											
120												
Description:	3" 90° ELBOW											
	2009	1	2014	1								
Min. Thick.	6.8		6.8		6.65		1	7.60	0		0	
Average:	7.1		7.1						0		0	
Analysis:												
125												
Description:	3" 90° ELBOW											
	2009	1	2014	1								
Min. Thick.	6.4		6.4		6.65	5.7	1	7.60	0		0	
Average:	7.1		7						.02		.02	
Analysis:	2009/01 MIN SCAN AT D.S.W											
130												
Description:	3" 90° ELBOW											
	2009	1	2014	1								
Min. Thick.	7.1		7.1		6.65		1	7.60	0		0	
Average:	7.3		7.3						0		0	
Analysis:												

UTS DATA

CLIENT CANADIAN NATURAL RESOURCES
EQUIPMENT INLET LINE HEATER PIPING
CRN:
PROV REG
TESTE ON STREAM

FACILITY LADYFERN EAST (MERION)
SERVICE SWEET
LOCATION 10-19-94-12 W6M
RTD JOB # 10.114114
REFER TO DRAWING 1

Test Point	THICKNESS DATA				Flag	T-Min	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Retirement Date
155												
Description: 6" 90° ELBOW												
	2009	1	2014	1								
Min. Thick.	10.9		10.9		9.63		.9	11.00	0		0	
Average:	11.1		11.1						0		0	
Analysis:												