



Equip. No. \_\_\_\_\_ Prov. Reg. No. **Ⓐ C11978** C.R.N. \_\_\_\_\_ Serial No. \_\_\_\_\_ Yr. Inst. \_\_\_\_\_  
 Code/Div. **ASME B31.3** Size: **72in.OD** Manufacturer: \_\_\_\_\_ Yr. Blt. **1978**  
 C. Stamp: **NO** Service: **SWEET** PWHT: \_\_\_\_\_ Radiography: \_\_\_\_\_ Insulated: \_\_\_\_\_

**Design & Materials Data**

**HEAD:**  
 Top Mat'l. \_\_\_\_\_ Top Nom. \_\_\_\_\_ 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: **6.4mm** C.A. **1.6mm**  
 MAWP Shell Side: **15859 kPa** Ⓢ Temp. **66°C**  
 MAWP Tube Side: **9929 kPa** Ⓢ Temp. **66°C**

CLIENT	CANADIAN NATURAL RESOURCES	
FACILITY	KARR CREEK NORTH FIELD LSD 03-07-66-03 W6M	
ITEM	LINE HEATER PIPING	
BY: CS	DATE: 09/2005	DWG.# 65

## UTS DATA

**CLIENT:** CANADIAN NATURAL RESOURCES

**FACILITY:** KARR CREEK NORTH FIELD

**EQUIPMENT:** LINE HEATER

**SERVICE:**

**CRN#:**

**LOCATION:** 03-07-66-03 W6M

**PROV REG:** C11978

**RTD JOB #:** 05.004227

**TESTED ON STREAM**

**REFER TO DRAWING:** 65

Test Point	THICKNESS DATA				Short Term	Long Term	Ave. mm/py	Flag Date
	Flag	Crit	C.A.	Nom.				

135

Description: TOP SHELL

2005 8

Min. Thick. 6.5

4.8

1.6

6.4

L

Average: 6.6

0

0

L

Analysis:

## UTS DATA

**CLIENT:** CANADIAN NATURAL RESOURCES

**FACILITY:** KARR CREEK NORTH FIELD

**EQUIPMENT:** LINE HEATER PIPING

**SERVICE:**

**CRN#:**

**LOCATION:** 03-07-66-03 W6M

**PROV REG:**

**RTD JOB #:** 05.004227

**TESTED ON STREAM**

**REFER TO DRAWING:** 65

Test Point	THICKNESS DATA				Flag	Crit	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Flag Date
<b>105</b>												
Description: 4" 90° ELBOW												
2005 8												
Min. Thick.	13.8				11.81		1.7	13.5				L
Average:	14.1								0	0		L
Analysis:												
<b>110</b>												
Description: 4" 90° ELBOW												
2005 8												
Min. Thick.	8.7				7.53		1.1	8.6				L
Average:	9								0	0		L
Analysis:												
<b>115</b>												
Description: 4" 90° ELBOW												
2005 8												
Min. Thick.	9.1				7.53		1.1	8.6				L
Average:	9.3								0	0		L
Analysis:												
<b>120</b>												
Description: 4"x4" TEE												
2001 5 2005 8												
Min. Thick.	11.1	10.9			9.71		1.4	11.1	.05	.05		L 2030
Average:	11.6	11.5							.02	.02		L
Analysis: 2005/08 MIN SCAN AT DSW.												
<b>125</b>												
Description: 3" 90° ELBOW												
2005 8												
Min. Thick.	6.8				6.65		.9	7.6				L
Average:	7								0	0		L
Analysis:												
<b>130</b>												
Description: 2" 90° ELBOW												
2005 8												
Min. Thick.	5.4				4.81		.7	5.5				L
Average:	5.6								0	0		L
Analysis:												