



HP COIL: L-3768.2
LP COIL: L-3769.2

Equip. No. _____ Prov. Reg. No. **400033** C.R.N. _____ Serial No. **C-013** Yr. Inst. _____
Code/Div. **ASME B31.3** Size: **44in. x 155in.** Manufacturer: **RJV** Yr. Bilt. **1999**
C. Stamp: **NO** Service: **SWEET** PWHT: **N/S** Radiography: **RT-1** Insulated: **1/2**

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: **20685 kPa** Temp. **93°C**
MAWP Tube Side: **9308 kPa** Temp. **93°C**

CLIENT	CANADIAN NATURAL RESOURCES	
FACILITY	KARR CREEK SOUTHWEST FIELD LSD 01-19-63-01 W6M	
ITEM	LINE HEATER	
BY: CS	DATE: 09/2005	DWG.# 95

UTS DATA

CLIENT: CANADIAN NATURAL RESOURCES
EQUIPMENT: LINE HEATER PIPING
CRN#: L3768.2/L3769.2
PROV REG: A 400033
TESTED ON STREAM

FACILITY: KARR CREEK SOUTHWEST FIELD
SERVICE: SWEET
LOCATION: 01-19-63-01 W6M
RTD JOB #: 05.004227
REFER TO DRAWING: 95

Test Point	THICKNESS DATA				Flag	Crit	C.A.	Nom.	Short Term	Long Term	Ave. mm/yr	Flag Date
205												
Description: 3" 90° ELBOW												
	2001	6	2005	8								
Min. Thick.	11.5		11.2		9.71		1.4	11.1	.07	.07		L 2026
Average:	11.6		11.4						.05	.05		L 2040
Analysis:												
210												
Description: 3" 90° ELBOW												
	2001	6	2005	8								
Min. Thick.	12.3		12.1		13.3	3.9	1.9	15.2	.05	.05		L 2005
Average:	12.5		12.3						.05	.05		L 2005
Analysis: 2005/08 USED 9308 kPa TO CALCULATE CRITICAL THICKNESS.												
215												
Description: 3" 90° ELBOW												
	2005		8									
Min. Thick.	7.2				6.65		.9	7.6				L
Average:	7.5								0	0		L
Analysis:												
220												
Description: 3" 90° ELBOW												
	2001	6	2005	8								
Min. Thick.	7.6		7.1		6.65		.9	7.6	.12	.12		L 2009
Average:	7.9		7.3						.14	.14		L 2010
Analysis:												