



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**  
**TESTE** ON STREAM

**FACILITY** WEST BLUEBERRY GAS GATHERING  
**SERVICE**  
**LOCATION** b-28-L/94-A-12  
**RTD JOB #** 10.113785  
**REFER TO DRAWING** 38

Test Point	THICKNESS DATA				Flag	T-Min	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Retirement Date
205												
Description:	3" 90° ELBOW											
	2010	8	2014	1								
Min. Thick.	10		10		9.71		1.4	11.10	0		0	
Average:	10.6		10.5						.03		.03	
Analysis:	2014/01 MIN SCAN @ MID ELBOW MID APEX.											
210												
Description:	2" 90° ELBOW											
	2010	8	2014	1								
Min. Thick.	7.5		7.5		7.61	3.0	1.1	8.70	0		0	
Average:	7.9		7.9						0		0	
Analysis:	2014/01 RETIREMENT DATE:2074											
215												
Description:	3" 90° ELBOW											
	2010	8	2014	1								
Min. Thick.	7.8		7.8		6.65		1	7.60	0		0	
Average:	8.1		8.1						0		0	
Analysis:												