



Equip. No. _____ Prov. Reg. No. Ⓐ C 23425 C.R.N. NON CODE Serial No. 001891 Yr. Inst. _____
 Code/Div. NON CODE Size: 6ft x 20ft Manufacturer: NUSCO Yr. Blt. 1998
 C. Stamp: NO Service: SOUR PWHT: NIL Radiography: NIL Insulated: YES

Design & Materials Data

HEAD:
 Top Mat'l. SA 516 70N 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: ATMOSPHERIC @ Temp. 232°C
 MAWP Tube Side: _____ @ Temp. _____

CLIENT	CANADIAN NATURAL RESOURCES	
FACILITY	HALFWAY BATTERY LSD 05-12-87-25 W6M	
ITEM	H.P. FLARE K.O. DRUM	
BY: LR	DATE: 07/2005	DWG.# 36

UTS DATA

CLIENT: CANADIAN NATURAL RESOURCES
EQUIPMENT: H.P. FLARE KNOCK OUT DRUM
CRN#:
PROV REG: C 23425
TESTED ON STREAM

FACILITY: HALFWAY BATTERY
SERVICE: SOUR
LOCATION: 05-12-87-25 W6M
RTD JOB #: 105.00860
REFER TO DRAWING: 36

Test Point	THICKNESS DATA				Flag	Crit	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Flag Date
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3610

Description: **BOTTOM SHELL**

	2005	6	2008	3	2010	8							
Min. Thick.	9.2		8.9		8.9		9.5	1.6		9.5	0	.06	L 2010
Average:	9.4		9.1		9.1						0	.06	L 2010

Analysis: 06/2005-CRITICAL THICKNESS CALCULATIONS CARRIED OUT TO 1.1mm BUT CODE IS MAINTAINED AT 1.6mm

3615

Description: **LOWER SHELL**

	2005	6	2008	3	2010	8							
Min. Thick.	9.3		9		9		9.5	1.6		9.5	0	.06	L 2010
Average:	9.5		9.2		9.2						0	.06	L 2010

Analysis: 06/2005-CRITICAL THICKNESS CALCULATIONS CARRIED OUT TO 1.1mm BUT CODE IS MAINTAINED AT 1.6mm

UTS DATA

CLIENT CANADIAN NATURAL RESOURCES
EQUIPMENT H.P. FLARE KNOCK OUT DRUM PIPING
CRN:
PROV REG
TESTE ON STREAM

FACILITY HALFWAY BATTERY
SERVICE SOUR
LOCATION 05-12-87-25 W6M
RTD JOB # 105.00860
REFER TO DRAWING 36

Test Point	THICKNESS DATA				Flag	Crit	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Flag Date	
3605													
Description:	4" 90° ELBOW												
	2005	6	2008	3	2010	8							
Min. Thick.	5.3		4.7		4.2		5.25	1.6	.8	6	.21	.21	L 2010
Average:	5.5		5		4.5						.21	.19	S 2010
Analysis:	03/2008 CRITICAL THICKNESS CALCULATIONS CARRIED OUT TO 0.1mm, BUT CODE MINIMUM IS MAINTAINED AT 1.6												