



SERVICE DATE: 2010/11  
 LONG TERM CORROSION RATE BASED ON GREATEST THICKNESS LOSS—NO CORROSION RATE TO ASSESS.

OUT OF SERVICE

Equip. No. \_\_\_\_\_ Prov. Reg. No. Ⓐ 506337 C.R.N. R-7760.2 Serial No. 2004-7235-01 Yr. Inst. \_\_\_\_\_  
 Code/Div. ASME VIII, Div 1 Size: 48in x 10ft Manufacturer: ALCO GAS & OIL Yr. Blt. 2004  
 C. Stamp: U Service: SOUR PWHT: HT Radiography: RT1 Insulated: NO

**Design & Materials Data**

HEAD:  
 Top Mat'l. SA 516 70N Top Nom. 54.6mm Top C.A. 3.2mm  
 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 70N Nominal: 57.1mm C.A. 3.2mm  
 MAWP Shell Side: 15099 kPa @ Temp. 38°C  
 MAWP Tube Side: \_\_\_\_\_ @ Temp. \_\_\_\_\_

CLIENT	CANADIAN NATURAL RESOURCES	
FACILITY	UMBACH FIELD LSD c-37-F/94-H-03	
ITEM	INLET SEPARATOR	
BY: J.D.H	DATE: 11/2010	DWG.# 10

# UTS DATA

**CLIENT:** CANADIAN NATURAL RESOURCES  
**EQUIPMENT:** INLET SEPARATOR  
**CRN#:** R-7760.2  
**PROV REG:** A 506337  
**TESTED ON STREAM**

**FACILITY:** UMBACH FIELD  
**SERVICE:** SOUR  
**LOCATION:** c-37-F/94-H-03  
**RTD JOB #:** 105.01582  
**REFER TO DRAWING:** 10

Test Point	THICKNESS DATA				Flag	T-Min	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Retirement Date
110	Description: LOWER HEAD											
	2010	11	2011	12								
Min. Thick.	56.3		56.3		51.40		3.2	54.60	0		0	
Average:	58		58						0		0	
Analysis:	2010/11 MIN SCAN @ TOP OF BAND.											
115	Description: MID SHELL											
	2010	11	2011	12								
Min. Thick.	58.4		58.4		53.90		3.2	57.10	0		0	
Average:	58.7		58.7						0		0	
Analysis:												
120	Description: BOTTOM SHELL											
	2010	11	2011	12								
Min. Thick.	59		59		53.90		3.2	57.10	0		0	
Average:	59.2		59.2						0		0	
Analysis:												
122	Description: BOTTOM SHELL											
	2011	12										
Min. Thick.	59				53.90		3.2	57.10				
Average:	59.2								0		0	
Analysis:												
125	Description: TOP SHELL											
	2010	11	2011	12								
Min. Thick.	58.6		58.6		53.90		3.2	57.10	0		0	
Average:	58.9		58.9						0		0	
Analysis:												
130	Description: LOWER HEAD											
	2010	11	2011	12								
Min. Thick.	55.8		55.8		51.40		3.2	54.60	0		0	
Average:	56.8		56.8						0		0	
Analysis:												



# UTS DATA

**CLIENT:** CANADIAN NATURAL RESOURCES  
**EQUIPMENT:** INLET SEPARATOR PIPING  
**CRN#:**  
**PROV REG:**  
**TESTED ON STREAM**

**FACILITY:** UMBACH FIELD  
**SERVICE:** SOUR  
**LOCATION:** c-37-F/94-H-03  
**RTD JOB #:** 105.01582  
**REFER TO DRAWING:** 10

Test Point	THICKNESS DATA				Flag	T-Min	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Retirement Date
105	Description: 8" 90° ELBOW											
	2010	11	2011	12								
Min. Thick.	15.9		15.9		11.11		1.6	12.70	0		0	
Average:	17.9		17.9						0		0	
Analysis:												
140	Description: 2" 90° ELBOW											
	2010	11	2011	12								
Min. Thick.	7.9		7.9		7.61		1.1	8.70	0		0	
Average:	8.1		8.1						0		0	
Analysis:												
145	Description: 8" 90° ELBOW											
	2010	11	2011	12								
Min. Thick.	17		17		16.01		2.3	18.30	0		0	
Average:	18		18						0		0	
Analysis:	2010/11 MIN SCAN @ MID ELBOW MID APEX.											