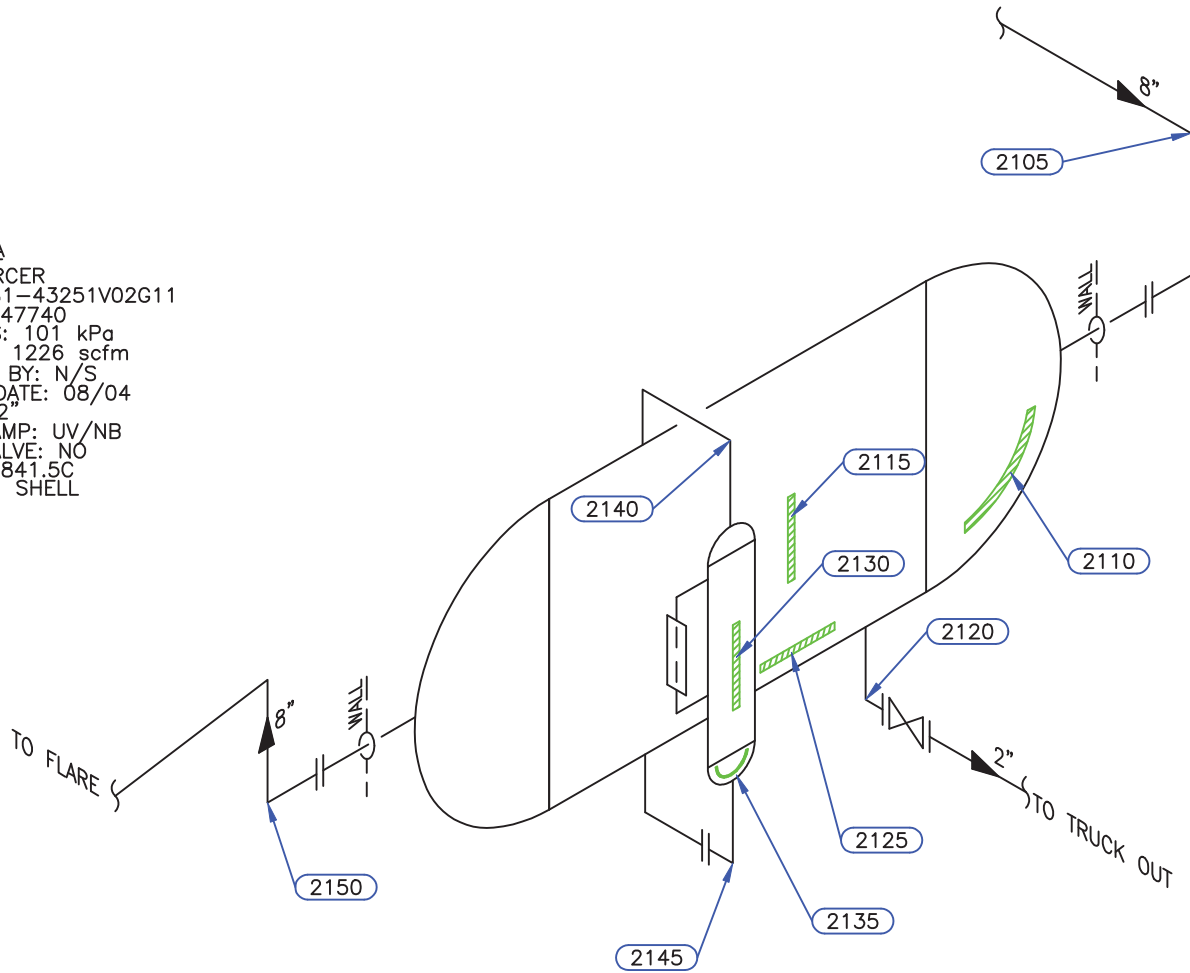


**PSV DATA**

MFG: MERCER  
 MODEL: 81-43251V02G11  
 SERIAL: 147740  
 SET PRES: 101 kPa  
 CAPACITY: 1226 scfm  
 SERVICED BY: N/S  
 SERVICE DATE: 08/04  
 SIZE: 2"x2"  
 CODE STAMP: UV/NB  
 BLOCK VALVE: NO  
 CRN: 068841.5C  
 LOCATION: SHELL  
 TAG: N/S



Equip. No. \_\_\_\_\_ Prov. Reg. No. Ⓐ C 10912 C.R.N. NON CODE Serial No. 6559 Yr. Inst. \_\_\_\_\_  
 Code/Div. NON CODE Size: 60in x 120in Manufacturer: TORNADO TECHNOLOGIES Yr. Blt. 2004  
 C. Stamp: \_\_\_\_\_ Service: SOUR PWHT: NIL Radiography: NIL Insulated: NO

**Design & Materials Data**

**HEAD:**  
 Top Mat'l. SA 36 Top Nom. 9.5mm 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: 9.5mm C.A. 1.6mm

MAWP Shell Side: 103 kPa @ Temp. 66°C  
 MAWP Tube Side: \_\_\_\_\_ @ Temp. \_\_\_\_\_

CLIENT	CANADIAN NATURAL RESOURCES LTD	
FACILITY	GOLD CREEK EAST FIELD LSD 10-05-68-04 W6M	
ITEM	FLARE KNOCK OUT DRUM	
BY: NR	DATE: 04/2009	DWG.# 17D

# UTS DATA

**CLIENT:** CANADIAN NATURAL RESOURCES  
**EQUIPMENT:** FLARE KNOCK OUT DRUM  
**CRN#:**  
**PROV REG:** C 10912  
**TESTED ON STREAM**

**FACILITY:** GOLD CREEK EAST FIELD  
**SERVICE:** SOUR  
**LOCATION:** 10-05-68-04 W6M  
**RTD JOB #:** 05.003134  
**REFER TO DRAWING:** 17D

Test Point	THICKNESS DATA				Flag	Crit	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Flag Date
2110												
Description: LOWER HEAD												
2009 3												
Min. Thick.	9	7.9	1.6	9.5					0	0		L
Average:	9.3											L
Analysis:												
2115												
Description: MID SHELL												
2009 3												
Min. Thick.	10	7.9	1.6	9.5					0	0		L
Average:	10.1											L
Analysis:												
2120												
Description: 2" 90° NOZZLE												
2009 3												
Min. Thick.	4.9	3.9	1.6	5.5					0	0		L
Average:	5											L
Analysis:												
2125												
Description: BOTTOM SHELL												
2009 3												
Min. Thick.	10	7.9	1.6	9.5					0	0		L
Average:	10.1											L
Analysis:												

# UTS DATA

**CLIENT:** CANADIAN NATURAL RESOURCES  
**EQUIPMENT:** FLARE KNOCK OUT DRUM PIPING  
**CRN#:**  
**PROV REG:**  
**TESTED ON STREAM**

**FACILITY:** GOLD CREEK EAST FIELD  
**SERVICE:** SOUR  
**LOCATION:** 10-05-68-04 W6M  
**RTD JOB #:** 05.003134  
**REFER TO DRAWING:** 17D

Test Point	THICKNESS DATA		Flag	Crit	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Flag Date
<b>2105</b>										
Description: 8" 45° ELBOW										
2009 3										
Min. Thick.	8.2		7.17		1	8.2				L
Average:	8.6						0	0		L
Analysis: 2009/03 MIN SCAN AT MID ELBOW MID APEX.										
<b>2130</b>										
Description: FLOAT COLUMN - SHELL										
2009 3										
Min. Thick.	7		0							L
Average:	7.3						0	0		L
Analysis:										
<b>2135</b>										
Description: FLOAT COLUMN - BOTTOM HEAD										
2009 3										
Min. Thick.	6		0							L
Average:	6.8						0	0		L
Analysis: 2009/03 MIN SCAN AT KNUCKLE										
<b>2140</b>										
Description: 2" 90° ELBOW										
2009 3										
Min. Thick.	4.9		4.81		.7	5.5				L
Average:	5						0	0		L
Analysis:										
<b>2145</b>										
Description: 2" 90° ELBOW										
2009 3										
Min. Thick.	5		4.81		.7	5.5				L
Average:	5.2						0	0		L
Analysis:										
<b>2150</b>										
Description: 8" 90° ELBOW										
2009 3										
Min. Thick.	8.4		7.17		1	8.2				L
Average:	8.9						0	0		L
Analysis: 2009/03 MIN SCAN AT 10cm FROM SOUTH OF BAND										