



Equip. No. \_\_\_\_\_ Prov. Reg. No. **A** 572699 C.R.N. U-0243.2 Serial No. 15736-01 Yr. Inst. \_\_\_\_\_  
 Code/Div. ASME VIII, DIV 1 Size: 36in x 120in Manufacturer: PLATINUM ENERGY Yr. Bld. 2007  
 C. Stamp: U Service: SWEET PWHT: HT Radiography: RT-1 Insulated: NO

**Design & Materials Data**

**HEAD:**  
 Top Mat'l. SA 516 70N Top Nom. 38.1mm 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 516 70N Nominal: 38.1mm C.A. 1.6mm  
 MAWP Shell Side: 9928 kPa @ Temp. 54°C  
 MAWP Tube Side: \_\_\_\_\_ @ Temp. \_\_\_\_\_

CLIENT	CANADIAN NATURAL RESOURCES LTD	
FACILITY	PUSKWA FIELD LSD: 16-32-71-26 W5M	
ITEM	GROUP SEPARATOR	
BY: MC	DATE: 03/2017	DWG.# 16

# UTS DATA

**CLIENT:** CANADIAN NATURAL RESOURCES  
**EQUIPMENT:** GROUP SEPARATOR  
**CRN#:** U-0243.2  
**PROV REG:** A 572699  
**TESTED ON STREAM**

**FACILITY:** PUSKWA FIELD  
**SERVICE:** SWEET  
**LOCATION:** 16-32-71-26 W5M  
**RTD JOB #:** 10.118371  
**REFER TO DRAWING:** 16

Test Point	THICKNESS DATA				Flag	T-Min	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Retirement Date
11-05												
Description: TOP HEAD												
2017 3												
Min. Thick.	37.1	36.50	30.5	1.6	38.10				0	0		2083
Average:	37.4											
Analysis:												
11-10												
Description: UPPER SHELL												
2017 3												
Min. Thick.	38.8	36.50		1.6	38.10				0	0		
Average:	38.9											
Analysis:												
11-15												
Description: MID SHELL												
2017 3												
Min. Thick.	38.9	36.50		1.6	38.10				0	0		
Average:	38.9											
Analysis:												
11-20												
Description: LOWER SHELL												
2017 3												
Min. Thick.	38.9	36.50		1.6	38.10				0	0		
Average:	39											
Analysis:												
11-25												
Description: BOTTOM HEAD												
2017 3												
Min. Thick.	37.9	36.50		1.6	38.10				0	0		
Average:	38											
Analysis:												
11-30												
Description: 2" 90° NOZZLE												
2017 3												
Min. Thick.	8	7.10	2.5	1.6	8.70				0	0		
Average:	8.3											
Analysis: 03/2017 - THICKNESS CALCULATIONS CARRIED OUT TO 2.1mm. API 510 REFERENCES 2.5mm AS MINIMUM THICKNESS REQUIRED FOR PRESSURE VESSELS AND PIPING. RETIREMENT DATE 2096												

# UTS DATA

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

**FACILITY:** PUSKWA FIELD  
**SERVICE:** SWEET  
**LOCATION:** 16-32-71-26 W5M  
**RTD JOB #:** 10.118371  
**REFER TO DRAWING:** 16

Test Point	THICKNESS DATA				Flag	T-Min	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Retirement Date
<b>11-35</b>												
Description: <b>2" 90° ELBOW</b>												
2017 3												
Min. Thick.	4.5	4.81	2.5	.7	5.50				0	0		
Average:	4.6											
Analysis: 03/2017 - THICKNESS CALCULATIONS CARRIED OUT TO 2.1mm. API 510 REFERENCES 2.5mm AS MINIMUM THICKNESS REQUIRED FOR PRESSURE VESSELS AND PIPING. RETIREMENT DATE 2037												
<b>11-50</b>												
Description: 2" 90° ELBOW												
2017 3												
Min. Thick.	5.2	4.81		.7	5.50				0	0		
Average:	5.4											
Analysis:												
<b>11-55</b>												
Description: 2" 90° ELBOW												
2017 3												
Min. Thick.	5.2	4.81		.7	5.50				0	0		
Average:	5.3											
Analysis:												
<b>11-60</b>												
Description: 2" 90° ELBOW												
2017 3												
Min. Thick.	4.9	4.81		.7	5.50				0	0		
Average:	4.9											
Analysis:												
<b>11-70</b>												
Description: 2" 90° ELBOW												
2017 3												
Min. Thick.	5.6	4.81		.7	5.50				0	0		
Average:	5.7											
Analysis:												
<b>11-85</b>												
Description: 3" 90° ELBOW												
2017 3												
Min. Thick.	6.8	6.65		1	7.60				0	0		
Average:	6.9											
Analysis:												

