



Equip. No. _____ Prov. Reg. No. Ⓐ 462576 C.R.N. P-6520.2 Serial No. 11796 Yr. Inst. _____
 Code/Div. ASME VIII, DIV1 Size: 36in x 120in Manufacturer: E & D PIPE PROCESS Yr. Bld. 2001
 C. Stamp: U Service: SWEET PWHT: NIL Radiography: RT-1 Insulated: 100%

Design & Materials Data

HEAD:
 Top Mat'l. SA 516 70N 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 516 70N Nominal: 7.9mm C.A. 1.6mm
 MAWP Shell Side: 345 kPa @ Temp. 149°C
 MAWP Tube Side: _____ @ Temp. _____

CLIENT	CANADIAN NATURAL RESOURCES		
FACILITY	SPIRIT RIVER BATTERY LSD 08-09-77-07 W6M		
ITEM	FLARE KNOCKOUT DRUM		
BY: AN/JE	DATE: 04/2012	DWG.# 10	

UTS DATA

CLIENT: CANADIAN NATURAL RESOURCES
EQUIPMENT: FLARE KNOCKOUT DRUM
CRN#: P-6520.2
PROV REG: A 462576
TESTED ON STREAM

FACILITY: SPIRIT RIVER BATTERY
SERVICE: SWEET
LOCATION: 08-09-77-07 W6M
RTD JOB #: 10.118582
REFER TO DRAWING: 10

Test Point	THICKNESS DATA				Flag	T-Min	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Retirement Date
1005												
Description:	LOWER HEAD											
	2012	4	2017	5								
Min. Thick.	10		9.8		7.90	2.5	1.6	9.50	.04		.04	
Average:	10.1		9.9						.04		.04	2200
Analysis:	05/2017 - THICKNESS CALCULATIONS CARRIED OUT TO 1.1mm. API 510 REFERENCES 2.5mm AS MINIMUM THICKNESS REQUIRED FOR PRESSURE VESSELS AND PIPING.											
1010												
Description:	MID SHELL											
	2012	4	2017	5								
Min. Thick.	10		10		6.30		1.6	7.90	0		0	
Average:	10.1		10.1						0		0	
Analysis:												
1015												
Description:	BOTTOM SHELL											
	2012	4	2017	5								
Min. Thick.	10.1		9.9		6.30	2.5	1.6	7.90	.04		.04	
Average:	10.2		10						.04		.04	2202
Analysis:	05/2017 - THICKNESS CALCULATIONS CARRIED OUT TO 1.1mm. API 510 REFERENCES 2.5mm AS MINIMUM THICKNESS REQUIRED FOR PRESSURE VESSELS AND PIPING.											
1020												
Description:	LOWER HEAD											
	2012	4	2017	5								
Min. Thick.	10		10		7.90		1.6	9.50	0		0	
Average:	10.1		10.1						0		0	
Analysis:												

