



03/2020 - PSV AWAY FOR SERVICE

Equip. No. _____ Prov. Reg. No. **A** 546397 C.R.N. T-5423.21 Serial No. 22-4488-1 Yr. Inst. _____
 Code/Div. ASME, VIII DIV1 Size: 36in x 240in Manufacturer: OPSCO ENERGY IND. Yr. Bld. 2006
 C. Stamp: U Service: SWEET PWHT: NIL Radiography: RT-2 Insulated: NO

Design & Materials Data

HEAD:
 Mat'l. SA 516 70N Nom. 28.6mm C.A. 1.6mm
 Mat'l. _____ Nom. _____ 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: 28.6mm C.A. 1.6mm

MAWP Shell Side: 8274 kPa @ Temp. 66°C
 MAWP Tube Side: _____ @ Temp. _____

CLIENT	CANADIAN NATURAL RESOURCES LTD	
FACILITY	GUTAH COMPRESSOR STATION LSD a-98-L/94-H-10	
ITEM	INLET BLOWCASE	
BY: JK	DATE: 2007/02	DWG.# 22

UTS DATA

CLIENT: CANADIAN NATURAL RESOURCES
EQUIPMENT: INLET BLOWCASE
CRN#: T-5423.21
PROV REG: A 546397
TESTED ON STREAM

FACILITY: GUTAH COMPRESSOR STATION
SERVICE: SWEET
LOCATION: a-98-L/94-H-10
RTD JOB #: 4016380
REFER TO DRAWING: 22

Test Point	THICKNESS DATA						Flag	T-Min	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Retirement Date
305														
Description: LOWER HEAD														
	2007	2	2013	3	2020	3								
Min. Thick.	28.3		28.3		28.3		27.00	26.0	1.6	28.60	0	0		
Average:	29.3		29.3		29.3						0	0		2127
Analysis: 2007/02 MIN SCAN AT KNUCKLE.														
310														
Description: LOWER SHELL														
	2007	2	2013	3	2020	3								
Min. Thick.	29.3		29.3		29.3		27.00		1.6	28.60	0	0		
Average:	29.4		29.4		29.4						0	0		
Analysis:														
315														
Description: TOP SHELL														
	2007	2	2013	3	2020	3								
Min. Thick.	28.1		28.1		28.1		27.00	26.8	1.6	28.60	0	0		
Average:	28.3		28.3		28.3						0	0		2056
Analysis:														
320														
Description: BOTTOM SHELL														
	2007	2	2013	3	2020	3								
Min. Thick.	28.1		28.1		28.1		27.00		1.6	28.60	0	0		
Average:	28.3		28.3		28.3						0	0		
Analysis:														
325														
Description: MID SHELL														
	2007	2	2013	3	2020	3								
Min. Thick.	29.4		29.4		29.4		27.00		1.6	28.60	0	0		
Average:	29.5		29.5		29.5						0	0		
Analysis:														
330														
Description: UPPER SHELL														
	2007	2	2013	3	2020	3								
Min. Thick.	29.3		29.3		29.3		27.00		1.6	28.60	0	0		
Average:	29.4		29.4		29.4						0	0		
Analysis:														

UTS DATA

CLIENT: CANADIAN NATURAL RESOURCES
EQUIPMENT: INLET BLOWCASE
CRN#: T-5423.21
PROV REG: A 546397
TESTED ON STREAM

FACILITY: GUTAH COMPRESSOR STATION
SERVICE: SWEET
LOCATION: a-98-L/94-H-10
RTD JOB #: 4016380
REFER TO DRAWING: 22

Test Point	THICKNESS DATA						Flag	T-Min	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Retirement Date
335	Description: UPPER HEAD													
	2007	2	2013	3	2020	3								
Min. Thick.	28.4		28.4		28.4		27.00	1.6	28.60	0	0			
Average:	29.5		29.5		29.5					0	0			
Analysis:	2007/02 MIN SCAN AT END OF BAND.													
340	Description: 3" 90° NOZZLE													
	2007	2	2013	3	2020	3								
Min. Thick.	14.7		14.7		14.7		13.60	2.6	1.6	15.20	0	0		
Average:	15		15		15						0	0		2359
Analysis:														
355	Description: 2" 90° NOZZLE													
	2007	2	2013	3	2020	3								
Min. Thick.	10.7		10.7		10.7		9.50	2.5	1.6	11.10	0	0		
Average:	11.4		11.4		11.4						0	0		2307
Analysis:	03/2020 - THICKNESS CALCULATIONS CARRIED OUT TO 1.8mm. API 510 REFERENCES 2.5mm AS MINIMUM THICKNESS REQUIRED FOR PRESSURE VESSELS AND PIPING.													

UTS DATA

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

FACILITY: GUTAH COMPRESSOR STATION
SERVICE: SWEET
LOCATION: a-98-L/94-H-10
RTD JOB #: 4016380
REFER TO DRAWING: 22

Test Point	THICKNESS DATA				Flag	T-Min	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Retirement Date
345												
Description:	2" HORIZONTAL BAND											
	2007	2	2013	3								
Min. Thick.	5.4		5.4		3.30		2.2	5.50	0	0		
Average:	5.7		5.7						0	0		
Analysis:												
350												
Description:	2" HORIZONTAL BAND											
	2007	2	2013	3								
Min. Thick.	5.7		5.7		3.30		2.2	5.50	0	0		
Average:	5.8		5.8						0	0		
Analysis:												
360												
Description:	2" HORIZONTAL BAND											
	2007	2	2013	3								
Min. Thick.	5.6		5.6		3.30		2.2	5.50	0	0		
Average:	5.8		5.8						0	0		
Analysis:												
365												
Description:	2" HORIZONTAL BAND											
	2007	2	2013	3								
Min. Thick.	5.1		5.1		3.30		2.2	5.50	0	0		
Average:	5.2		5.2						0	0		
Analysis:												