



PV141765

SKID 16539
03/2020 - PSV AWAY FOR SERVICE

Equip. No. _____ Prov. Reg. No. **A** 535758 C.R.N. T-5422.21 Serial No. 05.328KO Yr. Inst. _____
 Code/Div. ASME, VIII DIV1 Size: 48in x 96in Manufacturer: ORBAN IND. Yr. Bld. 2006
 C. Stamp: U Service: SWEET PWHT: NIL Radiography: RT-4 Insulated: NO

Design & Materials Data

HEAD:
 Mat'l. SA 516 70N Nom. 7.9mm 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: 9.5mm C.A. 1.6mm

MAWP Shell Side: 345 kPa @ Temp. 54°C
 MAWP Tube Side: _____ @ Temp. _____

CLIENT CANADIAN NATURAL RESOURCES LTD.		
FACILITY GUTAH COMPRESSOR STATION LSD a-98-L/94-H-10 W6M		
ITEM FLARE KNOCK OUT DRUM		
BY: JK	DATE: 2007/02	DWG.# 32

UTS DATA

CLIENT: CANADIAN NATURAL RESOURCES
EQUIPMENT: FLARE KNOCK OUT DRUM
CRN#: T-5422.21
PROV REG: A 535758
TESTED ON STREAM

FACILITY: GUTAH COMPRESSOR STATION
SERVICE: SWEET
LOCATION: a-98-L/94-H-10
RTD JOB #: 4016380
REFER TO DRAWING: 32

Test Point	THICKNESS DATA						Flag	T-Min	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Retirement Date
1305	Description: LOWER HEAD													
	2007	2	2014	5	2020	3								
Min. Thick.	9.3		9.1		9.1		6.30	2.5	1.6	7.90	0		.02	
Average:	9.6		9.5		9.5						0		.01	2449
Analysis:	03/2020 - THICKNESS CALCULATIONS CARRIED OUT TO 2.2mm. API 510 REFERENCES 2.5mm AS MINIMUM THICKNESS REQUIRED FOR PRESSURE VESSELS AND PIPING.													
1310	Description: BOTTOM SHELL													
	2007	2	2014	5	2020	3								
Min. Thick.	9.9		9.8		9.8		7.90		1.6	9.50	0		.01	
Average:	9.9		9.9		9.9						0		0	
Analysis:														
1315	Description: LOWER SHELL													
	2007	2	2014	5	2020	3								
Min. Thick.	9.9		9.8		9.8		8.00		1.5	9.50	0		.01	
Average:	10		9.9		9.9						0		.01	
Analysis:														
1320	Description: MID SHELL													
	2007	2	2014	5	2020	3								
Min. Thick.	9.8		9.8		9.8		8.00		1.5	9.50	0		0	
Average:	9.9		9.9		9.9						0		0	
Analysis:														
1325	Description: UPPER SHELL													
	2007	2	2014	5	2020	3								
Min. Thick.	9.8		9.8		9.8		8.00		1.5	9.50	0		0	
Average:	9.9		9.9		9.9						0		0	
Analysis:														
1330	Description: UPPER HEAD													
	2007	2	2014	5	2020	3								
Min. Thick.	8.9		8.9		8.9		6.30		1.6	7.90	0		0	
Average:	9.4		9.4		9.4						0		0	
Analysis:	2007/02 MIN SCAN AT KNUCKLE.													

UTS DATA

CLIENT: CANADIAN NATURAL RESOURCES
EQUIPMENT: FLARE KNOCK OUT DRUM 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: 32

Test Point	THICKNESS DATA						Flag	T-Min	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Retirement Date
1335	Description: 6" 90° ELBOW													
	2007	2	2014	5	2020	3								
Min. Thick.	6.9		6.9		6.9		6.20	.9	7.10	0	0			
Average:	7.5		7.5		7.5					0	0			
Analysis:	2007/02 MIN SCAN AT MID ELBOW, MID APEX.													
1340	Description: 2" 90° ELBOW													
	2007	2	2014	5	2020	3								
Min. Thick.	5		5		5		4.80	.7	5.50	0	0			
Average:	5.3		5.3		5.3					0	0			
Analysis:														
1345	Description: 2" HORIZONTAL BAND													
	2007	2	2014	5	2020	3								
Min. Thick.	4.9		4.9		4.9		4.80	.7	5.50	0	0			
Average:	5		5		5					0	0			
Analysis:														
1350	Description: 2" HORIZONTAL BAND													
	2007	2	2014	5	2020	3								
Min. Thick.	5.3		5.1		5.1		4.80	.7	5.50	0		.02		
Average:	5.4		5.3		5.3					0		.01		
Analysis:														