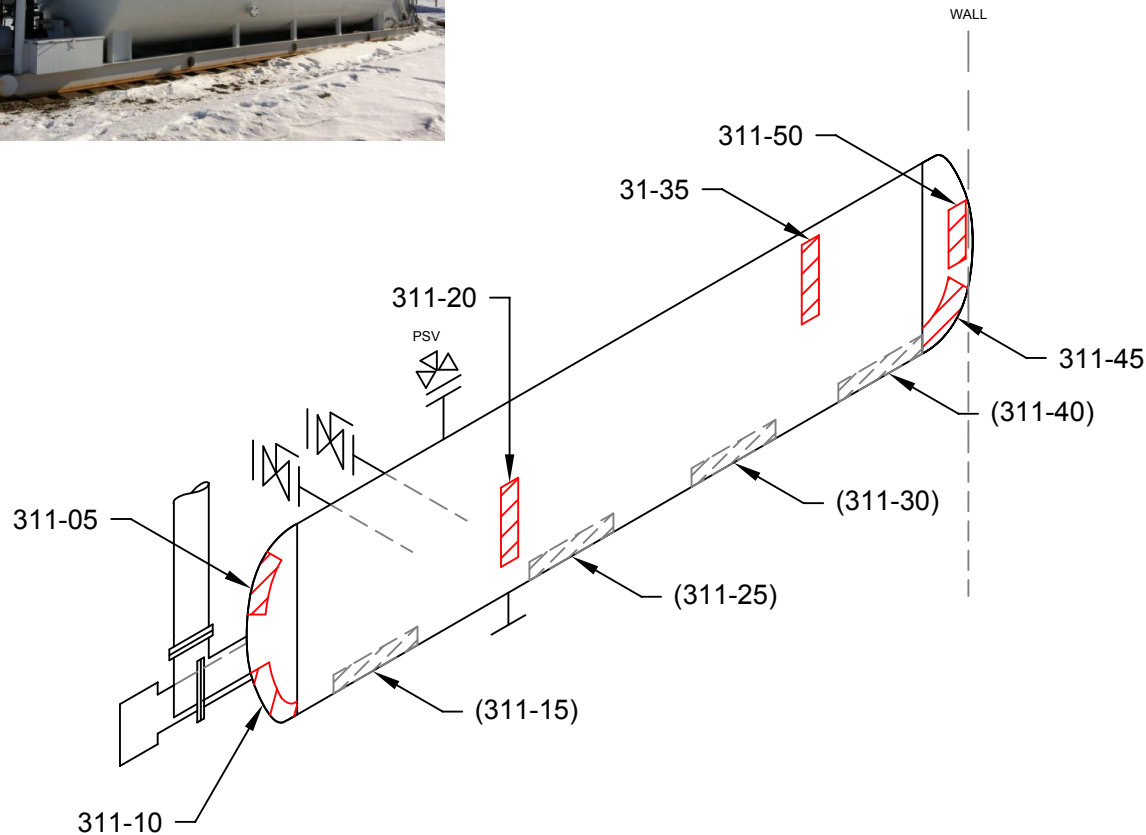


ITEM:

VAPOUR TANK

C75988



STETTLER, AB (403) 742-4868
 LACOMBE, AB (403) 782-7855
 BROOKS, AB (403) 501-8029
 GRANDE PRAIRIE, AB (866) 422-9732

TECHNICIAN:

JOSHUA WALTERS
 SNT LEVEL II
 CGSB 48.9712
 LEVEL II # 15660

DATE: 3/07/12

DWG: 311

CLIENT: CNRL

LSD: 04-35-074-08-W6M

INSPECTOR : AJMAL KHAN

LOCATION : TEEPEE CREEK FIELD

DISTRICT UNIT : PEACE RIVER ARCH

BLDG/SKID :

PROCESS : SOUR

CODE : ASME SEC VIII DIV 1

SPECIFICATION : AS PER ASME SE 797

TECHNIQUE : UT 1-1, REV .1

METHOD : UT CONTINUOUS / A SCAN

SURFACE COND : PAINTED

SURFACE TEMP : AMBIENT

VESSEL INFORMATION

VESSEL # : C75988

CRN # : -

SERIAL # : -

MANUFACTURER : TORNADO

DATE BUILT :

CLIENT ID / TAG : -

M.A.W.P : PSI

M.A.W.T. : ° F

JOINT EFFICIENCY/RT : -

STRESS RELIEVED : -

INSULATED : NO

MANWAY : YES

VESSEL SPECIFICATIONS

	OD	NOMINAL	MATERIAL	CA
VESSEL HEAD	120"	.500"	SA-516-70	.063"
VESSEL SHELL	120"	.375"	SA-516-70	.063"
BOOT HEAD	-	-	-	-
BOOT SHELL	-	-	-	-

COMMENTS:

NO DATA PLATE
 NO ACCESS INSIDE BLDG DUE TO H2S IN ATMOSPHERE

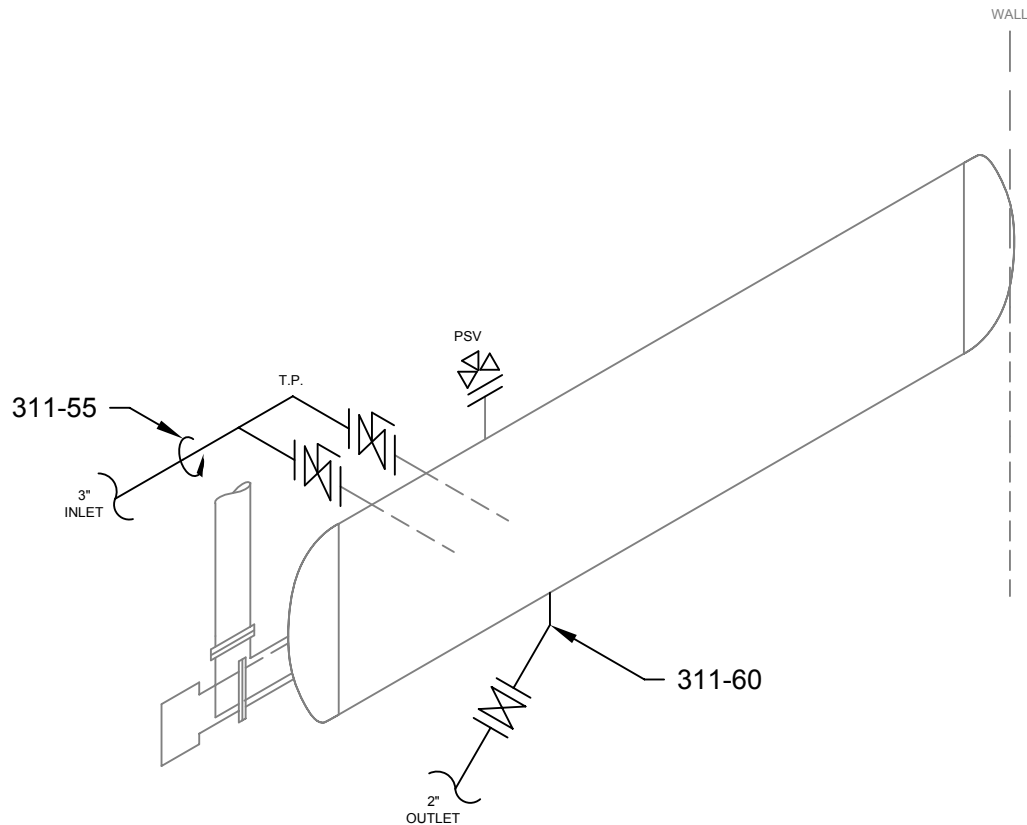
PROJECT:

C70222

ITEM:

VAPOUR TANK - PIPING

C75988



STETTLER, AB (403) 742-4868
LACOMBE, AB (403) 782-7855
BROOKS, AB (403) 501-8029
GRANDE PRAIRIE, AB (866) 422-9732

TECHNICIAN:

JOSHUA WALTERS
SNT LEVEL II
CGSB 48.9712
LEVEL II # 15660

DATE: 3/07/12

DWG # 311A

CLIENT:**CNRL**

LSD:

04-35-074-08-W6M

INSPECTOR :

AJMAL KHAN

LOCATION :

TEEPEE CREEK FIELD

DISTRICT UNIT :

PEACE RIVER ARCH

BLDG/SKID :

—

PROCESS :

SOUR

CODE :

ASME B31.3

SPECIFICATION :

AS PER ASME SE 797

TECHNIQUE :

UT 1-1, REV .1

METHOD :

UT CONTINUOUS / A SCAN

SURFACE COND :

PAINTED

SURFACE TEMP :

AMBIENT

PIPING INFORMATION

[illegible]

COMMENTS:

PROJECT:

C70222



ULTRASONIC CORROSION SURVEY

Survey Name: CNRL

LSD: 04-35-074-08W6 Dwg: 311 Vessel Number: C75988 Manufacturer: TORNADO Survey Date: 3/07/12
District Unit: PEACE RIVER ARCH Vessel Name: VAPOUR TANK Serial Number: - Inspector: AJMAL KHAN
Location: TEEPEE CREEK FIELD Year Built: Shell MAWP PSI: 0 MAWT F: 0 Process: SOUR
Skid: - Tag Number: - Tube MAWP PSI: 0 MAWT F: 0 Project #: C70222
CRN: - Vessel CA: 0.0630

Band	Description			Readings						Year	Avg Inches	Min Inches	Nominal	CA	TMIN	Recommended Next Inspection	Recommended Retirement Date
				1	2	3	4	5	6								
311-05		Head	Baseline	0.512	0.513	0.512	0.510	0.513	0.513	2012	0.512	0.510	0.5000	0.0630	0.0000	2013	
Shape	Ellipsoidal	Shell Side	Previous														Comments-->
OD	120		Current	0.512	0.513	0.512	0.510	0.513	0.513	2012	0.512	0.510	NOT ENOUGH DATA TO FULLY EVALUATE				
Spec.	VIII Div 1								ST Loss MPY				OK				
Material	SA 516 - 70								LT Loss MPY	0.000							
311-10		Head	Baseline	0.533	0.532	0.534	0.536	0.539	0.527	2012	0.534	0.527	0.5000	0.0630	0.0000	2013	
Shape	Ellipsoidal	Shell Side	Previous														Comments-->
OD	120		Current	0.533	0.532	0.534	0.536	0.539	0.527	2012	0.534	0.527	NOT ENOUGH DATA TO FULLY EVALUATE				
Spec.	VIII Div 1								ST Loss MPY				OK				
Material	SA 516 - 70								LT Loss MPY	0.000							
311-15		Shell	Baseline	0.364	0.364	0.363	0.361	0.361	0.360	2012	0.362	0.360	0.3750	0.0630	0.0000	2013	
Shape	Cylindrical	Shell Side	Previous														Comments-->
OD	120		Current	0.364	0.364	0.363	0.361	0.361	0.360	2012	0.362	0.360	NOT ENOUGH DATA TO FULLY EVALUATE				
Spec.	VIII Div 1								ST Loss MPY				OK				
Material	SA 516 - 70								LT Loss MPY	0.000							
311-20		Shell	Baseline	0.358	0.361	0.360	0.360	0.356	0.356	2012	0.359	0.356	0.3750	0.0630	0.0000	2013	
Shape	Cylindrical	Shell Side	Previous														Comments-->
OD	120		Current	0.358	0.361	0.360	0.360	0.356	0.356	2012	0.359	0.356	NOT ENOUGH DATA TO FULLY EVALUATE				
Spec.	VIII Div 1								ST Loss MPY				OK				
Material	SA 516 - 70								LT Loss MPY	0.000							



ULTRASONIC CORROSION SURVEY

Survey Name: CNRL

LSD: 04-35-074-08W6 Dwg: 311 Vessel Number: C75988 Manufacturer: TORNADO Survey Date: 3/07/12
District Unit: PEACE RIVER ARCH Vessel Name: VAPOUR TANK Serial Number: - Inspector: AJMAL KHAN
Location: TEEPEE CREEK FIELD Year Built: Shell MAWP PSI: 0 MAWT F: 0 Process: SOUR
Skid: - Tag Number: - Tube MAWP PSI: 0 MAWT F: 0 Project #: C70222
CRN: - Vessel CA: 0.0630

Band	Description			Readings						Year	Avg Inches	Min Inches	Nominal	CA	TMIN	Recommended Next Inspection	Recommended Retirement Date
				1	2	3	4	5	6								
311-25		Shell	Baseline	0.379	0.380	0.381	0.386	0.382	0.382	2012	0.382	0.379	0.3750	0.0630	0.0000	2013	
Shape	Cylindrical	Shell Side	Previous										Comments-->				
OD	120		Current	0.379	0.380	0.381	0.386	0.382	0.382	2012	0.382	0.379	NOT ENOUGH DATA TO FULLY EVALUATE				
Spec.	VIII Div 1												ST Loss MPY				
Material	SA 516 - 70												LT Loss MPY 0.000				
													OK				
311-30		Shell	Baseline	0.387	0.386	0.386	0.385	0.387	0.385	2012	0.386	0.385	0.3750	0.0630	0.0000	2013	
Shape	Cylindrical	Shell Side	Previous										Comments-->				
OD	120		Current	0.387	0.386	0.386	0.385	0.387	0.385	2012	0.386	0.385	NOT ENOUGH DATA TO FULLY EVALUATE				
Spec.	VIII Div 1												ST Loss MPY				
Material	SA 516 - 70												LT Loss MPY 0.000				
													OK				
311-35		Shell	Baseline	0.349	0.346	0.348	0.342	0.346	0.344	2012	0.346	0.342	0.3750	0.0630	0.0000	2013	
Shape	Cylindrical	Shell Side	Previous										Comments-->				
OD	120		Current	0.349	0.346	0.348	0.342	0.346	0.344	2012	0.346	0.342	NOT ENOUGH DATA TO FULLY EVALUATE				
Spec.	VIII Div 1												ST Loss MPY				
Material	SA 516 - 70												LT Loss MPY 0.000				
													OK				
311-40		Shell	Baseline	0.366	0.366	0.366	0.370	0.369	0.368	2012	0.368	0.366	0.3750	0.0630	0.0000	2013	
Shape	Cylindrical	Shell Side	Previous										Comments-->				
OD	120		Current	0.366	0.366	0.366	0.370	0.369	0.368	2012	0.368	0.366	NOT ENOUGH DATA TO FULLY EVALUATE				
Spec.	VIII Div 1												ST Loss MPY				
Material	SA 516 - 70												LT Loss MPY 0.000				
													OK				



ULTRASONIC CORROSION SURVEY

Survey Name: CNRL

LSD: 04-35-074-08W6 Dwg: 311 Vessel Number: C75988 Manufacturer: TORNADO Survey Date: 3/07/12
District Unit: PEACE RIVER ARCH Vessel Name: VAPOUR TANK Serial Number: - Inspector: AJMAL KHAN
Location: TEEPEE CREEK FIELD Year Built: Shell MAWP PSI: 0 MAWT F: 0 Process: SOUR
Skid: - Tag Number: - Tube MAWP PSI: 0 MAWT F: 0 Project #: C70222
CRN: - Vessel CA: 0.0630

Band	Description			Readings						Year	Avg Inches	Min Inches	Nominal	CA	TMIN	Recommended Next Inspection	Recommended Retirement Date
				1	2	3	4	5	6								
311-45		Head	Baseline	0.521	0.525	0.529	0.528	0.527	0.521	2012	0.525	0.521	0.5000	0.0630	0.0000	2013	
Shape	Ellipsoidal	Shell Side	Previous														Comments-->
OD	120		Current	0.521	0.525	0.529	0.528	0.527	0.521	2012	0.525	0.521	NOT ENOUGH DATA TO FULLY EVALUATE				
Spec.	VIII Div 1								ST Loss MPY				OK				
Material	SA 516 - 70								LT Loss MPY	0.000							
311-50		Head	Baseline	0.538	0.544	0.543	0.524	0.529	0.532	2012	0.535	0.524	0.5000	0.0630	0.0000	2013	
Shape	Ellipsoidal	Shell Side	Previous														Comments-->
OD	120		Current	0.538	0.544	0.543	0.524	0.529	0.532	2012	0.535	0.524	NOT ENOUGH DATA TO FULLY EVALUATE				
Spec.	VIII Div 1								ST Loss MPY				OK				
Material	SA 516 - 70								LT Loss MPY	0.000							
311-55		Piping	Baseline	0.217	0.208	0.215	0.214	0.224	0.216	2012	0.216	0.208	0.2160	0.0270	0.0000	2013	
Shape	Cylindrical	Shell Side	Previous														Comments-->
OD	3.5		Current	0.217	0.208	0.215	0.214	0.224	0.216	2012	0.216	0.208	NOT ENOUGH DATA TO FULLY EVALUATE				
Spec.	B31.3								ST Loss MPY				OK				
Material	A 106 - B								LT Loss MPY	0.000							
311-60		Piping	Baseline	0.216	0.206	0.200	0.191	0.194	0.206	2012	0.202	0.191	0.2180	0.0272	0.0000	2013	
Shape	Cylindrical	Shell Side	Previous														Comments-->
OD	2.375		Current	0.216	0.206	0.200	0.191	0.194	0.206	2012	0.202	0.191	NOT ENOUGH DATA TO FULLY EVALUATE				
Spec.	B31.3								ST Loss MPY				OK				
Material	A 106 - B								LT Loss MPY	0.000							