

	Pressu	re Vessel Survey							
Location:	Point Tupper	EM&I J Report No).:		PT-D-2	2100A	-090305-DL-R0		
Client Name:		Client Ref No.:			PT-115	57361	2-001-D2100A		
Client Rep.:		Inspector Name:			Daniel	Lewis	3		
WO No.:		Inspection Date:			May 03, 2009				
SPO No.:		System:			Propar	ne			
Workscope No.:	PT-2008-VESSEL-EXT-03	EM&I J Job No:			EMJ01	32.33	}		
Tag No.:	D-2100A	Equipment Descri	iption:		Propane Storage Vessel D-2100A				
Date of Last Inspection:	D-2100A Equipment Description: Propane Storage Vessel D-2100A Last Inspection: NA Previous Records Seen: NA g No.: LA-B23-F-22-8050-01-Z5, 98-CA-399735B NA NA Inspection Summary Item Condition Comments I Ladders, Access and Support Structure Good Fair Poor NA pplicable, check ladders, stairways, platforms and walkways that are ed to, or bearing on the vessel for signs of corrosion, missing components, oration. Image: Condition information inf								
Drawing No.:		-CA-399735B							
	Inspec	ction Summary							
	ltem			Con	dition		Comments		
External Ladders, Access a	Item nal Ladders, Access and Support Structure applicable, check ladders, stairways, platforms and walk cted to, or bearing on the vessel for signs of corrosion, missin erioration.			Fair	Poor	NA			
							allow a lot of movement. This could possibly be placing stress on the re-		
Ocation: Point Tupper Client Name:	on, settlement,	\boxtimes				good condition. Small cracks at the top of the			
	s spots, cracks,					Small areas of coating breakdown. The access way appears to be the source of some of the			
resulting in corrosion betweer	n cradle support and vessel shell.		\square						
condensation, resulting in cor	rosion on the bottom cap/ inside					\boxtimes			
		cable connections	\square						
		•	\square						
	sel sliding foot free to move and	hold-down bolts are				\boxtimes			
Vessel External Surfaces			Good	Fair	Poor	NA			
1. Check permanent identifyi required information.	ng tags on vessel are legible and	I present the	\boxtimes				The vessel plate is fitted and the details are recorded below		
			\boxtimes				Studs and nuts are CATII/III		
			\boxtimes						
4. If applicable, check insulati breakage.	on support bands and clips for si	gns of corrosion or				\boxtimes	This vessel is not insulated		
		eterioration,	\boxtimes				The vessel weld seams are coated, no deterioration evident		
ingress of water. Record insu	lation type.	-				\boxtimes	This vessel is not insulated		
coatings for any signs of leak	s, cracks, deformation, distortion,	, pitting, corrosion or	\square				Vessel is coated. The vessel surface appears to be in good condition.		



Inspection Summary					
Item		Cond	lition		Comments
8. If applicable, check weep holes in reinforcement plates are not plugged.					Small isolated areas of coating breakdown occuring over the vessel shell (see Photos #7 & 11)
External Piping / Instrument Attachments	Good	Fair	Poor	NA	
1. If applicable, check vessel trim, such as gauges, sight glasses, valves and other appurtenances, show signs of deterioration, or missing components, etc.			\boxtimes		The vessel level gauge is Stainless Steel. This is connected to a Carbon Steel flange. The gauges on this vessel are in good condition. There is 50% coating breakdown with surface corrosion occuring on the SDV of this vessel. The trim attached to N4B has 100% coating breakdown and light surface corrosion
2. If applicable, check if the PSV on the vessel is in calibration. Record tag number of PSV and calibration date.					The PSV on this vessel is in good condition, details are recorded below
3. Inspect fittings, nozzles and other connections, including the surrounding vessel shell / head for any signs of distortion or cracks, wall loss, leakage, deterioration of coatings, etc. Specify extent and location.					The nozzles of this vessel are in good condition. The nozzle flanges of this vessel have coating breakdown
Vessel Internal Surfaces	Good	Fair	Poor	NA	External Only
1. Check for signs of corrosion, erosion, cracks, blisters, pitting, distortion, or other forms of deterioration on the internal vessel surfaces. If any, specify type, location and extent.				\boxtimes	
2. Check all welded joints for any signs of deterioration, corrosion, cracking, pitting or other sign of failure. Specify.				\boxtimes	
3. Check all man-ways, nozzles and connections for distortion, cracks, corrosion, wall loss and other type of defects or failures. If any defects are noted, specify type, extent and location.				\boxtimes	
 If applicable, compare the results of performed wall thickness survey with previous reports for areas of wall thickness loss. Identify areas on inspection report. 				\boxtimes	
5. Where applicable, check vessel internal cladding for signs of bulging, buckling, cracks, holes, etc. If any, specify type, location and extent.				\boxtimes	
6. Where applicable, check the vessel internal coating for signs of deterioration, such as: rust spots, blisters, coating disbandment, etc. If any, specify type, location and extent.				\boxtimes	
If possible, check gasket seals on all flanges for signs of corrosion and/or mechanical damage.				\boxtimes	
Internal Equipment/Piping /Supports	Good	Fair	Poor	NA	
1. Where applicable, check supports for vessel's internal equipment and components for signs of corrosion, distortion and deterioration.				\boxtimes	
2. If applicable, check vessel's internals for signs of corrosion, distortion and deterioration, missing components etc.				\boxtimes	
3. If applicable, check if bolted connections are in full contact with connected				\boxtimes	

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Inspection Summary			1
Item	Condit	ion	Comments
ents and connections are free from rust or other deleterious material that may bit full contact.			
Detail of Findings Instructions: With the aid of Drawing(s), Sketch(es) and Ph	oto(s) desc	ribe findir	ngs
Vessel ID Plate:			
Certified By: Trenergy Manufactured By: Patterson Industries			
Serial No.: 064			
Tag No.: D2100A			
Year Built: 1999			
Code/Standard: U-stamp W-RT-1			
MAWP: 1724/-62 KPAG @ 149F MDMT: -16.6F			
PSV			
Certified By: Land and Sea Instrumentation			
Type: JPVM 15A			
Serial No.: VA017249901			
Date of Calibration: 02-24-09 Capacity: 18649 SCFM			
Set Pressure: 1723 KPA			
Condition: Good condition, 20% coating breakdown with surface corrosion. S	tuds and nut	s CAT II	

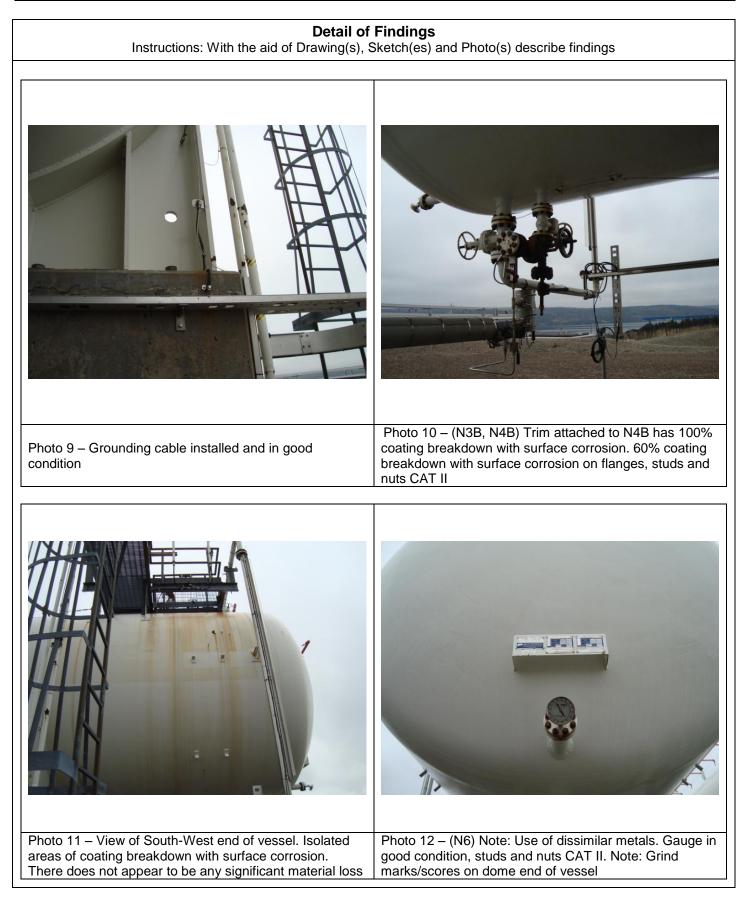


Detail of Findings Instructions: With the aid of Drawing(s), Sketch(es) and Photo(s) describe findings Photo 2 - (N10) Studs and nuts CAT II, 20% coating Photo 1 - View of North end of vessel showing access platform breakdown with surface corrosion on flange PROPANE Photo 4 – (N5) Studs and nuts CAT II, 100% coating breakdown with surface corrosion on flange Photo 3 - (M) Studs and nuts CAT II, 20% coating breakdown with surface corrosion on flange



Detail of Findings Instructions: With the aid of Drawing(s), Sketch(es) and Photo(s) describe findings Photo 6 – Coating breakdown with surface corrosion occurring at foot of saddle support leg. This appears to Photo 5 - General view of vessel support leg be common of all propane storage vessels in this location Photo 7 – Isolated area of coating breakdown with Photo 8 - (SDV2100) 50% coating breakdown with surface corrosion on shell of vessel. Does not appear to surface corrosion of valve. 90% coating breakdown with be any significant material loss surface corrosion on flange of N2. Studs and nuts CAT II







Detail of Findings Instructions: With the aid of Drawing(s), Sketch(es) and Photo(s) describe findings Photo 13 - Note: Grind marks/scores on dome end of Photo 14 - Vessel level gauge in good condition, Dissimilar metals, studs and nuts CAT II vessel Photo 15 - (N4B) 60% coating breakdown with surface Photo 16 - Rust staining on vessel. Appears to be corrosion on flange. Studs and nuts CAT II stemming from light rusting occurring on access way



Detail of Findings

Instructions: With the aid of Drawing(s), Sketch(es) and Photo(s) describe findings



Photo 17 – (N1, N8, N4A, N3A) Studs and nuts CAT II. 100% coating breakdown with surface corrosion of blank flanges. Small amount of coating breakdown with surface corrosion occurring on nozzles



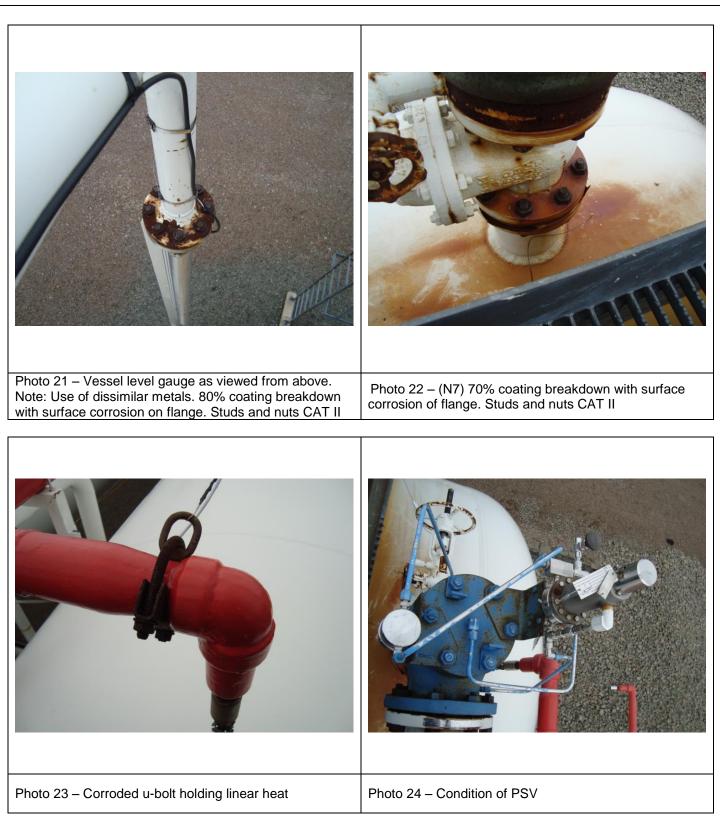
Photo 18 – (N9) Studs and nuts CAT II. 60% coating breakdown with surface corrosion occurring on flanges





Detail of Findings

Instructions: With the aid of Drawing(s), Sketch(es) and Photo(s) describe findings





List of Attachments

Attachment 1: PT-D2100A-090314-VR-UT (Page 1 to 2) Attachment 2: PT-D2100A-090510-JL-UT (Page 1 to 3) Attachment 3: UT Locations Attachment 4: 98-CA-399735B

End of Report



	U	Itrasoni	c Inspect	tion S	ur	vey for Vessel In	spectio	n		
Location:		Point Tup	oper			EM&I J Report No.	:	PT-D210	00A-090314-VR-UT	
Client Name:		Exxon M	obil Sable			Client Ref No.:		PT-11573612-001-D2100A		
Client Rep.:		Dale Gro	ves			Inspector Name:		Victor Ritchie		
WO No.:		1157361	2			Inspection Date:		March 1	4, 2009	
SPO No.:		4501869	140			Inspection Time:		Various		
Workscope No.:		PT-2008-	-VESSEL-E	XT-03		System:		Propane)	
Previous Report N	lo.	NA				EM&I J Job No:		EMJ013	2.33	
Ref. Drawing No.:		LA-B23-F	-22-8050-0	01-Z5, 9	98-0	CA-399735-B				
Technician Certifi	cations:	PCN UT2	2			Certification Expire	y Date:	January 29, 2014		
Inspection Code:		NA			Inspection Proced	ure:	EM&I			
Item Inspected:		D2100A			Material (Incl. Vol.)	:	CS			
Surface Condition	:	As coate	d			Surface Temp:		Ambient		
Instrument	Туре	: Epoch L	TC	Equip	ome	ent S/N: 090100701	Cal Due	e Date: January 24, 2010		
Instrument Setting	gs Refe	rence Lev	/el: 80fsh	Gain:	50	db	Reject	Reject Settings: NA		
Search Unit Cable	s Type):		Lengt	th:	5'	Transfe	er Value:		
Calibration Block:		Step wec	ge 2.5-12.8	5mm	C	alibration Block S/N		CB2		
Simulation Block:		NA			С	ouplant:		Ultragel		
Computerized Pro	gram:	NA								
Transducer Mfg:	Type:		Model No.:			Angle:	Frequen	cy:	Size:	
Panametrics	dual element		D790SM			0	5MHz		10mm	

		Inspection	n Summary
Restricted Access?	🌅 Yes	🖸 No	Comments:

Comments:

UT measurements were taken on side wall using echo technique and readings were recorded. This does not constitute a UT survey. See below for locations and readings. All readings are in millimeters.



	In	spection Sun	nmary		
Item Identification	Test Point	Diameter (inches)	Nominal Wall Thickness (mm)	Minimum Wall Thickness (mm)	Average Wall Thickness (mm)
Shell Bottom	TP1	144"	28.6	30.5	N/A
Shell Bottom	TP2	144"	28.6	30.6	N/A
Shell Bottom	TP3	144"	28.6	30.8	N/A
Shell Bottom	TP4	144"	28.6	31.0	N/A
Shell Bottom	TP5	144"	28.6	30.7	N/A
Shell Bottom	TP6	144"	28.6	30.4	N/A
Shell Bottom	TP7	144"	28.6	30.0	N/A
Shell Bottom	TP8	144"	28.6	29.8	N/A
Shell Bottom	TP9	144"	28.6	29.9	N/A
Shell Bottom	TP10	144"	28.6	30.3	N/A
Shell Bottom	TP11	144"	28.6	30.1	N/A
Shell Bottom	TP12	144"	28.6	29.8	N/A
Shell Bottom	TP13	144"	28.6	29.7	N/A
Shell Bottom	TP14	144"	28.6	29.4	N/A
Shell Bottom	TP15	144"	28.6	29.2	N/A
Shell Bottom	TP16	144"	28.6	29.8	N/A
Shell Bottom	TP17	144"	28.6	30.1	N/A
Shell Bottom	TP18	144"	28.6	30.6	N/A
Shell Bottom	TP19	144"	28.6	31.0	N/A
Shell Bottom	TP20	144"	28.6	30.8	N/A
Shell Bottom	TP21	144"	28.6	30.7	N/A
Shell Bottom	TP22	144"	28.6	30.4	N/A
Shell Bottom	TP23	144"	28.6	30.5	N/A
Shell Bottom	TP24	144"	28.6	30.5	N/A
Shell Bottom	TP25	144"	28.6	30.3	N/A
Shell Bottom	TP26	144"	28.6	30.2	N/A
Shell Bottom	TP27	144"	28.6	30.0	N/A
Shell Bottom	TP28	144"	28.6	30.6	N/A
Shell Bottom	TP28	144"	28.6	30.5	N/A
Shell Bottom	TP29	144"	28.6	30.4	N/A
Shell Bottom	TP30	144"	28.6	30.5	N/A
Shell Bottom	TP32	144"	28.6	30.8	N/A
Shell Bottom	TP33	144"	28.6	30.6	N/A
Shell Bottom	TP34	144"	28.6	30.6	N/A
Shell Bottom	TP35	144"	28.6	30.2	N/A
Shell Bottom	TP36	144"	28.6	30.6	N/A

End of Report



	U	Itraso	nic Inspect	tion S	ur	vey for Vessel In	spectio	n		
Location:		Point T	upper			EM&I J Report No.	:	PT-D2100A-090510-JL-UT		
Client Name:		Exxon	Mobil Sable			Client Ref No.:		PT-11573612-001-D2100A		
Client Rep.:		Dale G	roves			Inspector Name:		John Lee		
WO No.:		115736	612			Inspection Date:		March 1	0, 2009	
SPO No.:		450186	69140			Inspection Time:		Various		
Workscope No.:		PT-200	08-VESSEL-E	XT-03		System:		Propane	•	
Previous Report N	lo.	NA				EM&I J Job No:		EMJ013	2.33	
Ref. Drawing No.:		LA-B2	3-F-22-8050-0	01-Z5, 9	98-	CA-399735-B				
Technician Certifi	cations:	PCN UT 3.1, 3.2				Certification Expire	y Date:	May 21, 2012		
Inspection Code:		NA				Inspection Procedure:		EM&I		
Item Inspected:						Material (Incl. Vol.)	:	C/S		
Surface Condition	1:	As coa	ted			Surface Temp:		Ambient		
Instrument	Туре	: Epoch	LTC	Equip	ome	ent S/N: 090108103	Cal Due	I Due Date: March 11, 2010		
Instrument Setting	gs Refe	rence L	evel: 80fsh	Gain:	60	db	Reject Settings: NA		NA	
Search Unit Cable	es Type):		Lengt	th:	5'	Transfer Value:			
Calibration Block:		Step w	edge 2.5-12.8	5mm	С	alibration Block S/N		09-1652		
Simulation Block:		NA			С	ouplant:		Ultragel	II	
Computerized Pro	gram:	NA								
Transducer Mfg:	Type:	Model No.:			Angle:	Frequen	cy:	Size:		
Panametrics	Dual Elei	ment	D790SM - 6	25220		0	5MHz		10mm	

		Inspection	n Summary
Restricted Access?	🌅 Yes	🖸 No	Comments: Rope Access Required

Comments:

UT spot readings were taken and the readings were recorded. See below and Attachment 3 for locations and readings. Readings on North head were taken facing South and South head readings were taken facing North. All readings are in millimeters.

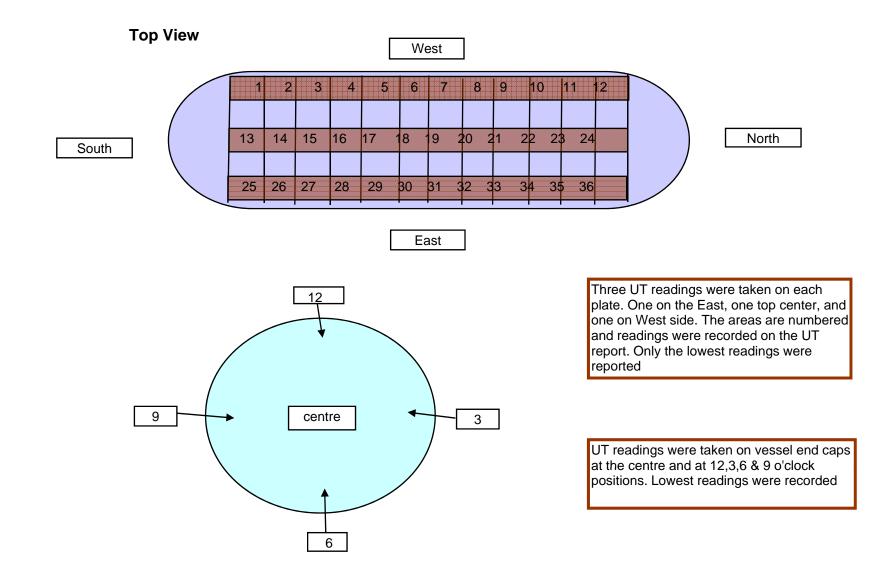


	Ins	spection Sur	nmary		
Item Identification	Test Point	Diameter (inches)	Nominal Wall Thickness (mm)	Minimum Wall Thickness (mm)	Average Wall Thickness (mm)
Panel 1	West	144"	28.6	29.4	
Panel 1	Centre	144"	28.6	30.3	
Panel 1	East	144"	28.6	29.9	
Panel 2	West	144"	28.6	30.0	
Panel 2	Centre	144"	28.6	30.4	
Panel 2	East	144"	28.6	29.9	
Panel 3	West	144"	28.6	29.6	
Panel 3	Centre	144"	28.6	29.7	
Panel 3	East	144"	28.6	29.5	
Panel 4	West	144"	28.6	30.2	
Panel 4	Centre	144"	28.6	30.0	
Panel 4	East	144"	28.6	29.7	
Panel 5	West	144"	28.6	29.6	
Panel 5	Centre	144"	28.6	30.6	
Panel 5	East	144"	28.6	29.6	
Panel 6	West	144"	28.6	30.3	
Panel 6	Centre	144"	28.6	30.1	
Panel 6	East	144"	28.6	29.4	
Panel 7	West	144"	28.6	29.3	
Panel 7	Centre	144"	28.6	29.6	
Panel 7	East	144"	28.6	29.5	
Panel 8	West	144"	28.6	29.6	
Panel 8	Centre	144"	28.6	29.8	
Panel 8	East	144"	28.6	29.6	
Panel 9	West	144"	28.6	29.2	
Panel 9	Centre	144"	28.6	29.5	
Panel 9	East	144"	28.6	29.5	
Panel 10	West	144"	28.6	29.9	
Panel 10	Centre	144"	28.6	30.3	
Panel 10	East	144"	28.6	30.1	
Panel 11	West	144"	28.6	29.8	
Panel 11	Centre	144"	28.6	29.9	
Panel 11	East	144"	28.6	30.1	
Panel 12	West	144"	28.6	29.1	
Panel 12	Centre	144"	28.6	29.2	
Panel 12	East	144"	28.6	29.1	



	Ins	spection Sun	nmary		
Item Identification	Test Point	Diameter (inches)	Nominal Wall Thickness (mm)	Minimum Wall Thickness (mm)	Average Wall Thickness (mm)
North Head	12 O'clock	End	28.2	31.4	
North Head	3 O'clock	End	28.2	31.4	
North Head	6 O'clock	End	28.2	30.6	
North Head	9 O'clock	End	28.2	30.8	
North Head	Centre	End	28.2	29.8	
South Head	12 O'clock	End	28.2	31.9	
South Head	3 O'clock	End	28.2	31.7	
South Head	6 O'clock	End	28.2	30.4	
South Head	9 O'clock	End	28.2	31.1	
South Head	Centre	End	28.2	30.4	

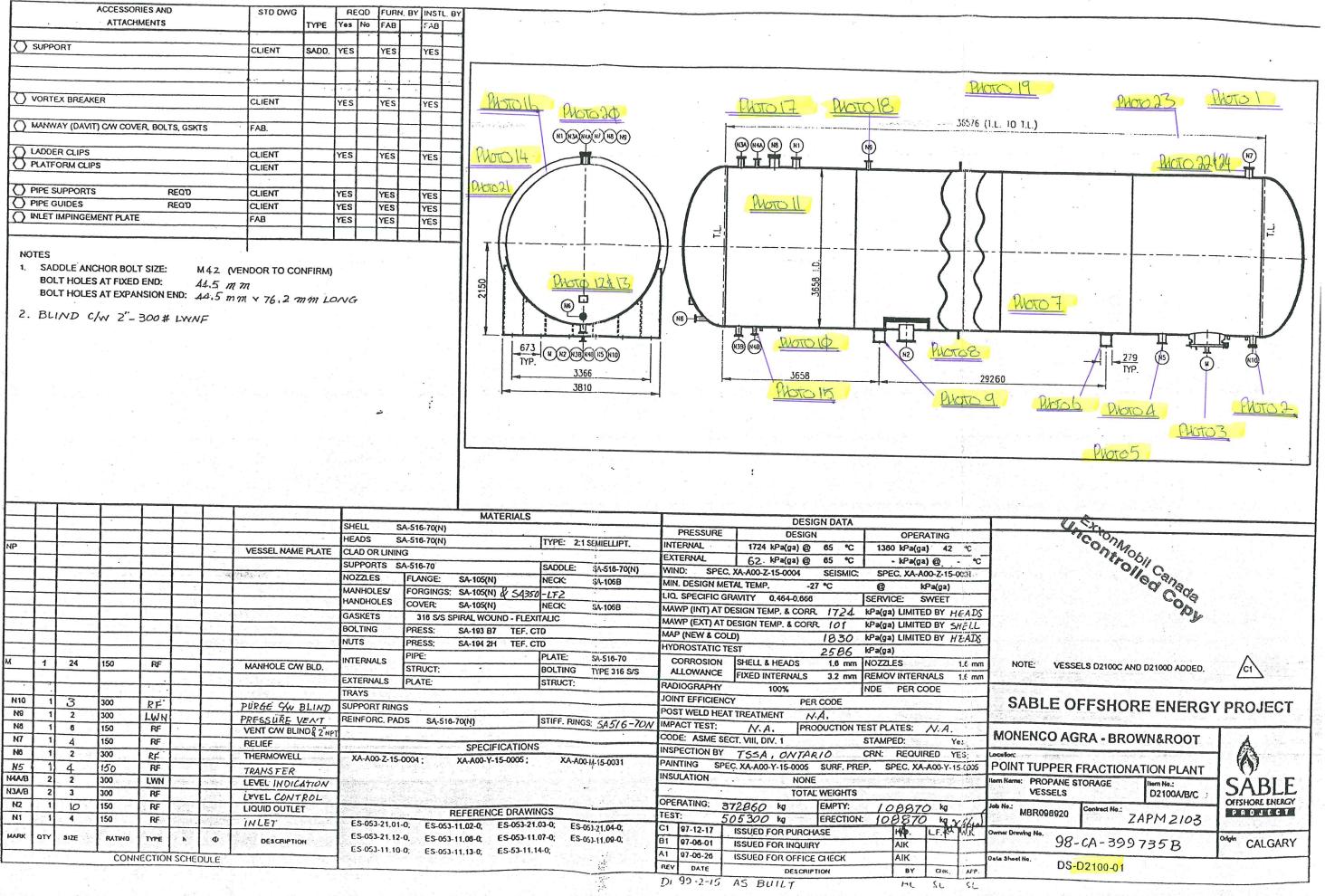
End of Report



EM&I J Report No. PT-D2100A-090503-DL

Attachment 3

PT-11573612-001-D2100A



	1								MATERIALS		1		DESIGN	ATA		
 	1-			1		1			SA-516-70(N)			PRESSURE	DESIGN		~	
NP						-		HEADS	SA-516-70(N)	TYPE: 2:1:	SEMIELLIPT	INTERNAL			· · · · ·	
INP				1	1	100	VESSEL NAME PLATE	CLAD OR LINI	NG			EXTERNAL		And the owner of the	-	
	 		· ·		1			SUPPORTS	SA-516-70	SADDLE:	\$4-518-70(N)			the second se	-	
			21× 318	1.1.1			(Network)	NOZZLES	FLANGE: SA-105(N)	NECK:	\$4-106B				A	
	<u> </u>		1	1		14 - C	and the standard stands	MANHOLES/	FORGINGS: SA-105(N) & S43			MIN. DESIGN ME		0	_	
1.200	-	19 - C	1	1				HANDHOLES	COVER: SA-105(N)	NECK:	SA-106B		RAVITY 0.464-0.666	SERVICE:	-	
	<u> </u>	3	-	1.0		11.14	AN Press and the	GASKETS	316 S/S SPIRAL WOUND - FLE		UN-1000	MANUP (INT) AT	DESIGN TEMP. & CORR 1	724 kPa(ga) LIM		
		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	1. A 1993	1	85 m ²	$^{-1} \mathrm{g}_{-,\mathrm{gam}}$		BOLTING				MANYP (EXI) AI	DESIGN TEMP. & CORR. (and the second se	ACCE: SW a) LIMITED a) LIMITED a) LIMITED a) LIMITED a) LIMITED a) LIMITED A) LES DV INTERNA PER COOL ATES: / PED:	
L			1		1.000	$e_{2} \frac{h_{1}}{2k_{1}} e_{2} e_{1}^{-1}$	When it dependence even front the	NUTS	PRESS: SA-194 2H TEF.			MAP (NEW & CO		30 kPa(ga) LIM		
		5.	1		1	$\sum_{i=1}^{n} \frac{1}{2\pi i} \sum_{i=1}^{n} \frac{1}{2\pi $	$a_{n+1}^{-1} = b_{n}^{-1}$ (8) b_{n+1}^{-1}			PLATE:	SA-516-70	HYDROSTATIC		B6 kPa(ga)		
м	1	24	150	RF			MANHOLE CAW BLD.	INTERNALS				CORROSION		6 mm NOZZLES		
		8.1					and the second second the	EXTERNALS		_	11FE 310 3/3		FIXED INTERNALS 3	2 mm REMOVINT	ſE	
· · · ·			1. 1. 1. 1.	s des s	1.1	1.1	N - Câster de la serve	BLD. STRUCT: BOLTING TYPE 316 S/S EXTERNALS PLATE: STRUCT: TRAYS				RADIOGRAPHY	100%	NDE PEF	R	
N10	1	З	300	RF			PURGE GW BLIND	SUPPORT RIN	GS			JOINT EFFICIEN		DE	1.32	
N9	1	2	300	LWN			PRESSURE VENT			STIFE RINC	States Dave	POST WELD HE			3.3	
N8	1	6	150	RF	14	1	VENT CW BLIND & 2"NP		atoloridii)	101111.141403	S: 5A516-70N		N.A. PRODUC	TION TEST PLATES	5:	
N7	1	4	150	RF			RELIEF	1	SPECIFICATION	2	4 4 <u>4 4 1 7 - 19 - 19 - 19 - 19 - 19 - 19 - 19 </u>	CODE: ASME SI	ECT. VIII, DIV. 1	STAMPED:	1	
N8	1	2	300	RE	Same	unidita.	THERMOWELL					INSPECTION BY	TSSA, ONTARIO	CRN: REC	Q	
N5	1	4	150	RF	estado.	112 A	TRANSFER			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	M-15-0031	PAINTING SP	EC. XA-A00-Y-15-0005 SU	RF. PREP. SPEC.	. X	
N4A/B	2	2	300	LWN	Sec. 1	14.76(4.7)	LEVEL INDICATION	the approximation	an a		Res State 2 - Andrew	INSULATION	. NONE			
N3A/B	2	3	300	RF		Torres of	LEVEL CONTROL					and a second second	TOTAL WE	IGHTS	201	
N2	1	10	150	RF	Sec.	State of the	LIQUID OUTLET	And the state of the		INCO	는 4.) 전 이 (이 등~요) -	OPERATING:	72860 kg EM	PTY: 1089	3	
N1	2 g 1	4 4 S	150	RF	Sheets.		INLET	ES.051.24.0	REFERENCE DRAW		$\left\ \frac{1}{2} - \frac{1}{2} - \frac{1}{2} \frac{1}{2} \left\ \frac{1}{2} - \frac{1}{2} + \frac{1}{2} \left\ \frac{1}{2} - \frac{1}{2} + \frac{1}{2} + \frac{1}{2} \right\ \right\ _{\infty}^{2} + \frac{1}{2} \left\ \frac{1}{2} - \frac{1}{2} + \frac{1}{2$	IEST:		CTION: 1088	57	
MARK	OTY		Service .	122	- 129 Ap		A way and a second second	A Service and the service of the ser			53-21.04-0;	C1 97-12-17	ISSUED FOR PURCHASE	HAD.		
,	dir	SIZE	RATINO	TYPE	h	٩	DESCRIPTION	HEADS SA-516-70 ME PLATE CLAD OR LINING SUPPORTS SA-516-70 NOZZLES FLANGE MANHOLES/ FORGIN HANDHOLES/ FORGIN GASKETS 316 S BOLTING PRESS: NUTS PRESS: NUTS PRESS: SUPPORT RINGS PLATE: TRAYS SUPPORT RINGS VEA/T REINFORC. PADS IND § 2 [™] NT XA-A00-Z-15-0004 ; CATION TROL ET ES-053-21.01-0; ES ES-053-21.12-0;	행수는 방법은 것이 가 없는 것 같아요. 이 것은 것은 것 같아요. 것이 것 않는 것이 없는 것이 없다. 것이 없는 것이 없 않 않이 않			53-11.09-0;	81 97-06-01	ISSUED FOR INQUIRY		
			CONIN	ECTION	SCHE	DUIE			0.0; ES-053-11.13-0; ES-53-11	. 14-0;		A1 97-08-26	ISSUED FOR OFFICE CHE	ск АК	(
						JUL						REV DATE	DESCRIPTION			

EMHIJ REPORT NO. PT-DZIOOA-090503-DL

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in a start

Attachment 4

P.T-11573612-001-D2100A