#101492

FORM U-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

l. N	Manufactured a	nd certified	d by		ОНИ	ASTEDE LTD.,	ÇOR	PUS C	HRIST	I PLANT	410	0 FLATO ROA	D C	ORPUS	CHRIST	I, TEXAS	78405	j	
2. 1	Manufactured fo	or					C	-	ON PH	IILLIPS;	PAS	ress of Manufa SADENA,TEXA)					
. 1	ocation of inst	allation						CHEV	Namo RON P	and add HILLIPS	ross (of Purchaser) PASADENA , T	EXAS						
					UEATE	VOUANOCD			(1)	lame an		lress)		720	171R1		2537		2007
. !	ype: (Horiz	Vertical	sphere)	(Tank, se	CONTRACTOR OF THE	Vessel, heat e	xh., e	otc.)	(Mfg	728171 's serial		(CRN)			ing No.)		. Bd. N	o.) (Y	ear built
. 1	SME Code, S				2004 Editi	ion, 2006 Adder	nda			-		NONE ode Case No.			100 11	ecial Sen	ica na	UG-1200	d)
ems	6 - 11 incl. to	ba complat	ed for sir	iglo wall ves	sels, jackel	s of jackeled v		s, shel	of ho		ngors	, or chamber o		-chamb		ls.		00 120	
. \$	Shell (a) No.	of course(s):		3							ength (ft & in.):				' 23'-11			
	Course		0:)		Materia				kness		-	Joint (Cat. A)	EII.			Cat. A, B	, & C) Eff.	Heat T	reatmen Time
1	Diameter, in. 53° OD.	9'-11"			SA-516-		-	Nom. 1/2*	.0625	-	Full	Spot Spot	.85	Туре	-	Spot	.85	1 emp.	
2	53" OD.	9'-9 1/1	-		SA-516-		\neg	1/2"	.0625	-	-	Spot	.85	1	-	Spot	.85		
3	53" OD.	3'-1 9/1			SA-516-			1/2"	.0625	-		Spot	.85	1		pot	.85 -		
	leads: (a)									(b)									
		(M	at'i Spec.	No., Grade	or Type) H	T Time & Te	mp					(Mat'l Spec. N				Time 8	Temp		
Location (Top Thickness				Radius Elliptical				onical		Hemispherical		Flat	Side to F				Category A Full, Spot, None		Leu
(0)	Bottom, End	ls) Min.	Corr.	Crown	Knuckle	Ratio	Ape	ex Ang	le	Radius	\$	Diameter	Con	vox C	onçave	Туре	Full, S	ool, None	EII.
(a)	 	- -	 	- :-	•	•	-	.	-										·····
-				-l			1												
	ype of jacket f bar, give dim	ensions:								Jacket cl		12	((Describ	e as oge	e & weld,		c.) describe	or sketc
		29		15	psi at ma	ax. temp. 3	02		30)2	*F	Min. design	metal	temp.	30	۰F	at	229	р
	(inter	nal)	(oxte	ırnal)		(inte			(exte									luca al	
). I	mpact test -				(Indical)	NO EXE					teste	ıd)				at test te	ampera	- 10 61	
1. H	lydro., eneux	or eshyx	tost pro	ss.	298	127	of tos			,				*					
	12 and 13 to L ubesheet:	o complet		e sections. 16-70N		53 9/16"				4 1/4*				.128	50"		Weld		
Stationary (Mat'l Spec. No.) SA-516-70N						Dia., in. (subject to pres				s.) Nom. thk., in. 4 1/4"			Corr. Allow., in. .1250"			Attachment (walded or bolted) Weld			
		ng (Mat'l S	usys usessi		•	Dla., in.			Nom	thk., in.			rr. Allo	w., in.	.:		Attac	hment	
3. 1	ubes:		SA-214			1 1/				New		WW'0			nber		Tues (Straight Straight o	- 111
oms	: 14 - 18 incl. to	Mat'i Spec be comple	. No., Gra ated for in	ade or Type mer chambi	ors of jacket	O.D., lod vessels or d		els of	heat o			in, or gauge		Nul	11081		rype (onaight u	1 0)
4. 5	Shell (a) No.	of course	(s):				2			(b) Ove	rall le	ength (ft & in.):							
	Course	o(s)			Materia	ıl		Thick	kness		Long.	Joint (Cat. A)		Circui	m. Joint	(Cat. A, B	, & C)	Heat T	realmen
10.	Diameter, in.	Length (ft	& in.)	S	ec./Grade	ог Турв		Nom.	Corr.	Турв	Full	I, Spot, None	EII.	Туре	Full, S _I	oot, None	Eff.	Temp.	Time
1	•				•				·-	<u> </u>	-			· ·		•	ļ		
3					<u>:</u> -		-	•	:-	 	-	· :	·:	<u> </u>	ļ	.	- <u>:</u> -		•
	Heads:(a)									(b):									
J. 1	10a0s.(a) ~		(Mat'l So	ac. No., Gra	de or Type) H.T Time &	Temp	0	-	(0).		(Mat	Spec	. No., G	rade or T	ура) Н.Т.	• Time	& Temp	
Location (Top Thickness			Radius Elliptical		Conical		TH	Hemispherical		Flat	Side to Pre				Category A				
	Bottom, End	(s) Min.	Corr.	Crown	Knuckle	Ratio	Ape	ex Ang	10	Radiu	s	Diameter	Con	vөх C	oncave	Туре	Full, Sp	ot, None	Eff.
(a)	· · ·		<u> </u>	ļ			_					ļ				-			
(b)	<u> </u>		1:				<u></u>	•	l_	•		<u> </u>						·	1
ren	novable, bolls	used (desc	ribe othe	r fastening)						(Mat'l So	ec N	ło., Grade, size	a No.		1)				
										(mari of	11	יייו בונוטסן סוגו	-1 .10.)						

16.	MAWP	30 (intern	7/4		7.5 ernal)		302 30 nternal) (external)		Min. de	sign metal temp. 3		Fal —	305 psi.
17.	Impact t			•		NO EXE	MPT PER UCS-66 nd the component(s) in	mpact (ested)			at test te	mperatur	ool . *F
18.	Hydro.,	pneux o	resn	xx test pres	55.		of test						
19.	Nozzles	, inspectio	on, ar	nd safety val	ve opening						T		Lindia
	Purpose	(inlet,		Diameter	Flange	Mat			hickness	Reinforcement		Itached Flange	Location (Insp. Open.)
0	utlet, Dra	ain, etc.)	No.	or Size	Туре	Nozzle	Flange	Nom.	Corr.	Material CA 510 70	Nozzle	WELD	Shell
	Inle	1	1	10"-150#	RFWN	SA-106B	SA-105	.500"	.0625*	SA-516-70	WELD		
	Out	el	1	10*-150#	RFWN	SA-106B	SA-105	.500"	.0625*	SA-516-70	WELD	WELD	Shell
	Inspec	ction	1	6*-150#	RFLWN	SA-105		.880"	.0625"	INTEGRAL	WELD	<u> </u>	Shell
	Vent / (Drain	2	3/4"-300#	RFLWN	SA-105		.570"	.0625*	INTEGRAL	WELD		Tubesheets
	Temp / Pi	ressure	4	1"-6000#	CPLGS	SA-105				INTEGRAL	WELD	· -	Shell Nzi's.
-						•					· .		
						•	•						
20	Pupped	or Chin	-	L	Lugs.	. Legs	- Oth	ers	4-Supt Lug	as Attached	1	WELDED	TO SHELL
20.	(Ves or No.) (No.) (No.) (Describe) (Where and How)												
21.	Manufac (List the	clurer's Parame of	artial part,	Data Report item number	s properly i r, mlg's. na	dentified and signed by C me and identifying numb	91)						
22.		: ITEM								PE 10 3/4"OD. X 1/2" TH			
	REPAOS: (2)-16"OD.X 11 3/4" ID.X 3/8" THK. SA-516-70; LUGS (2)-13" X 2" THK.X 23 1/2" LG. SA-516-70 STIFFENING RINGS: (2)-60"OD.X 53 1/8" ID.X 3/8"THK. SA-516-70												
	*INCLUDES ONE FLANGED AND FLUED EXPANSION JOINT: 68 1/4" OD. FLG. WITH A 1 1/2" S.F. & 2" I.K.R. X 52" ID. FLUE WITH A 2" I.K.R. & 1" S.F. X 5/8" THK.												
			***	INTO SHELL									
	We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1, U Certificate of Authorization No. 20,206 Expires 4/19/2009 Date 8-3/-07 Name OHMSTEDE LTD., CORPUS CHRISTI PLANT (Manufacturer) CERTIFICATE OF SHOP INSPECTION I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TX. and employed by HSB CT. of HARTFORD.CT. have inspected the pressure vessel described in this Manufacturer's Data Report on Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or impuly, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the inspector nor his employer shall be liable in sufmanner for any personal injury or property damage or a loss of any kind arising from or connected with this impocition. Date CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE We certify that the statements on this report are correct and that the field assembly construction of all parts of this vessel conforms with the requirements of ASME Code, Section VIII, Division 1,												
	U Certif	cate of A	uthori	ization No.			Expires						
							408 (074 TH 755)		Signed	i			
	Date			Nam			(Assembler)		-		resentativ	e)	
	CERTIFICATE OF FIELD ASSEMBLY INSPECTION I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of and employed by												
	have compared the statements in this Manufacturer's Data Report with the described pressure vessel and state that parts referred to as data items												ns
	, not included in the certificate of shop inspection, have been inspected by me and to the best of my knowledge and												
	belief, the Manufacturer has constructed and assembled this pressure vessel in accordance with the ASME Code, Section VIII, Division1. The described vessel was												
	inspected and subjected to a hydrostatic test of psi. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed												
	or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any												
	manner for any personal injury or properly damage or a loss of any kind arising from or connected with this inspection.												
	Date	жи	ora Total	Sign		soveralesses of a fill	66	Commi					
	Date				."	(Authorized I	nspector)			(Nat'l Board incl. endors	sements, S	State, Pro	vince and No.)