FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS

(Alternative Form for Single Chamber , Completely Shop or Field Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1 Manu	factured and certif	fied hy	Cryon	enic Vesse	I Alternativ	es 952	'8 Wa	rren Road M	lont Belvier	ı Texas	77580	
						(Name and	address of	of manufacturer)			77000	
	factured for <u>Cal</u>				(Name and a	idress of P	urchaser)	, Alberta, Car	iada ize i	ES		
	tion of Installation					(Na	ame and a	address)				
4. Type Horizontal (Horizontal or Vert., Tank)			C (Mfgi	C63006 (Mfgr's. Serial No.)		25-450 CA1000 (CRN) (Drawing			1677 (Nat'l. Bd. I	No.)	2009 (Year Built)	
											URE VESSEL CODE	
The c	lesign, constructio	n, and work								7		
to		**** Addenda (Date	9)		Cade (Case Nos.			Special Se	** rvice per UG-120(d)		
				875	:						'8_1 <i>!</i> ?"	
6. Shell : SA: Matt. (Spe 7. Seams: type		pec. No., Grade)		Nom. Thk. (in.)		Carr. Allow	(ln.)	Diam.	I.D. (ft. & in.)	Length (ov	verall)(ft. & in.)	
7. Seam	ns: <u>typ</u> Lang, (Welded,	Dbf., Sngl., Lap	FUL Butt) R.T. (Sp	L 10	0 ** %) H.T. Temp	.(°F) Time	r* e (hr) (type1 Girth (Welded,Dbl.,Sr	gl.,Lap,Butt) R.	FULL T. (Spot. Partial. Full)	6 No. Of Courses	
o. neau	s : (a) Matl		(Spec.	No., Grade)		_ (b) Maii			SA516-70N (Spec. No., Grade)			
	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical	Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side To Pressure (Convex or Concave)	
(a)	Ends	.861	0	**	**	2:	1	**	**	**	CONCAVE	
(b)	Ends	.868	0	**	**	2:	1	**	**	**	CONCAVE	
If re	movable , bolts us	ed (describ	e other faster	nina)				*	****			
					(Material,S ** °F				pec. No., Grade, Size ,No.)			
9. IVIAVV	(internal)	(external)	max. i emp	inte	<u> </u>			ernal)				
Mis	n. design metal ter	nn -20	°F at HYDR	O test pressu	ire 493 ns	i						
	_		•		<u>. 100</u> po	. ,						
10. Noz	zles, inspection ar	nd safety va	ive openings	:								
Purpo	Purpose (Inlet, Outlet, Drain)		Diam. or Size			Matl.			Reinforcement How Matl. Attached		Location	
	Rear Fill		8" SC	H 80 PIPE	SA106 GR B		.500	** U		UW 16.1 (e)	Bottom Shell	
Er	Front Fill			H 80 PIPE H 80 PIPE	SA106 C)	** UW 16.1 (e			
Front Vapor Line Vent Pipe/Pressure		1 1		H 80 PIPE	SA106 G		.300	**		UW 16.1 (e) UW 16.1 (e)		
	Relief				SA106 G						Aπ nead	
LP/HP Gauge Line		2		H 80 PIPE H 80 PIPE	SA106 GR B SA106 GR B		.120	**************************************		UW 16.1 (e)		
Center Pipe Stub MW Studding Outlet			25.5"	Plate	SA516 GF		.218 3.06	**		UW 16.1 (e) UW 16.1 (h)		
	¥		<u> </u>				·	Attached	HF	ADS WELD		
11. Οαρ	ports : Skirt(Yes	or No)	(No.)	(No.)	_ 011161	(Desc	ribe)		£ 11.	(Where and How		
12. Ren	narks: Manufactur	er's Partial I	Data Reports	properly ident	tified and sigr	ned by C	ommiss	sioned Inspector	s have been	furnished for the	following items of the	
repo	ort:				(Name of pa	art, item nu	nber, Mfg	r's, name and identify	ing stamp)		· · · · · · · · · · · · · · · · · · ·	
					No Imp	act tes	t requ	ired / UG-20	(f)			
									_		***************************************	
<u> </u>								COMPLIANC				
ASME (Code for Pressure	Vessels,Se	ction VIII, Div	ision1."U" Cer	tificate of Aut	horizatio	n No.	31,45	i7 6	mansnip of this expires <u>Novemb</u>	vessel conform to the ber 3,2011	
Date	4/10/0	7		Со. пате <u>С</u>	ryogenic Ves Manufacturer)	sel Alter	กatives	Signed :	Soer	(Representative)		
	X X		r			OP / FI	ELD (COMPLIANC	E	(. top: 335: Rguye)		
	constructed by: _C		essel Alterna	tives_ at _9528	8 Warren Roa	d, Mont	Belvieu	J, TX 77580				
											r Province of <u>TEXAS</u> (~ 2061, and state	
hat, to	the best of my kn	owiedge an	d belief, the	Manufacturer	has construc	ted this	pressu	re vessel in acc	ordance with	ASME Code, Se	ection VIII, Division 1	
											ssel described in this	

oss of any kind arising from or connected with this inspection

Date: 4-16-09 Signed: