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

1. Ma	anufactured and	certified by	Alco	Gas & Oi	il Produc	tion Equ	iipmen	tLT	<u>D</u> . 52	203-7: (Name	5th STI and addr	REET ess of M	EDMO] Manufacture	NTON er)	I,ALI	BERT.	Α			
2. Ma	anufactured for	PIONI	EER N	ATURAL	RESOL	JRCES (C/O GI	EM I		MG	N'T 8	39-5tb		W CA	LGA	RY, A	ALBER'	ΓA_		
3. Lo	cation of install	ation SX	VALW	ÆLL(LS	SD-16-6	-30-24 - V	<u>V4M)</u> _				(Nam	ne and a	ddress)							
4. Tv	4. Type: Vertical 3PHASE GLYCOL CONTACTOR 2005-7403-01B (Horiz., vert., or sphere) (Tank, separator, jkt. vessel, heat exh., etc.) (Mfg's serial No.)																			
·	. (1	loriz., vert., c	or sphere	2)							11., 010.,		N/A			·	-	20	005	
	<u></u>	R-1801.2 (CRN)	13		D-20	05-7380 Draw)	<u>-02-00</u> /ing No.)		2 KO	-		(IN/.A Nat'l. Bd. N	lo.)			(Year		
5. AS	SME Code, Sec	tion VIII, Div.	1 _20	004	n and Adden	da (date)]			_	N/A				. 1	I/A	Special S	Service per l	JG-120	(d)]	
Items	6 - 11 incl. to b	e completed	for single	e wall vessel	s, jackets o	of jacketed	vessels,						of multi-ch	amber	vessels	3.				
6. Sh	nell (a) No. of	course(s):	3					(b)) Overa	ll length	(ft & in.):	28	<u>'-0" SM</u>	I/SM_						
	<u>·</u>				Material		T	Thickness			Long. Joint (Cat. A)			Circum. Joint (Cat. A, B, & C)			Heat Treatment		ment	
		rse(s) Length (ft. & l	in.)	Material Spec./Grade or Type			 -	Nom. Corr.		Туре	Type Full, Spot, No		Eff. Type		e Full, Spot, Non		e Eff.	Ten	np.	Time
No.	Diameter, in.	4'-8"		<u>-</u>	SA-106B		.844	_	1/16"	S	N/A 100%		1	1 SPOT 70%		N/	A	N/A		
1	14.3"	2'8"			SA-106B		.844	32	1/16"	S	N	I/A	100%					<u> </u>	_	
2	14.3"	20'-8'	"		SA-106B	-	.844	"	1/1 <u>6"</u>	S	N/A 100%			1	1 SPOT 70% N/A N/A					N/A
		SA-516G	r 70M	 Г						(b)	_SA-5	16Gr.3	70MT		- 1	***	o P Toma \			
7. He	eads: (a) -	(Mat	1 Spec. N	o., Grade or Ty	ype) (H.TTi	me & Temp.)					(Mat'l	Spec. No.,	Grade o	Type) (H.111m	e & temp.)			
	ocation (Top,	Thickr	ness	Ra	dius	Elliptical	Co	Conical		Hemisp	Hemispherical Fla			ide to F	de to Pressure		Categor			Eff.
	Bottom, Ends)	Min.	Соп.	Crown	Knuckle	Ratio	Ape	x Ang	gle	Ra	Radius Diameter C			nvex	Cond		Type Full		_	
(a)	Тор	.803"	1/1 <u>6</u> "	N/A	N/A	2:1_	1	N/A_				N/A	=-			cave	N/A	N/A		N/A N/A
(b)	Bottom	.803"	1/16"	N/A	N/A	2:1	<u> </u>	N/A		N	/A	N/A	N/	<u>A</u>	Con	cave I	N/A	_N/A	1	N/A
If ren	novable, bolts u	sed (describe	e other fa	stening)	N/A_					<u> </u>		<u> </u>	1- 0	-i A	lo \					
											•		lo., Grade	, size, iv	iu. j					
8. Ty	ype of jacket	<u>N</u> /A								Jacket	closure	N/A		Describ	e as o	1ee & w	eld, bar, e	ic.)		
			7/1										,	,					ribe or	sketch.
1f	f bar, give dime	nsions _L	<u> </u>								0=					-20	°F at		1490	psi.
9. M		1490	N		at max. tei		1 <u>50</u> iemal)	_	N/ (extern		<i>,</i> ⊶	Min. des	sign metal	æmp.		<u>-20</u>		` -	1420.	P 5
	• • • • • • • • • • • • • • • • • • • •	iternal)	(exter	•		,	•		•	-	g 66 (a	`			а	t test te	mperature	of _	n	√A °F.
10. lr	mpact test _	EXEMP]	ΓHDS	SHELLN	OZZLE	S UCS (ob(a) L	or no a	ord the	compo	nent(s) in	npact te	sted)				•	_		
			т.	Iduantati	a 10						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,									
11. h	lydro., pneu., o s 12 and 13 to	r comb. test p	oress. ^I	sections.				JUI IES	<u></u>											
		ne completed				N/.	٨				N/A	•		N/.	Α	_			[/A	
12. T	Fubesheet:	Stationary (Ma	N/A t'l Soer. N	Jo 11		n. (subject to				(No	m. thk., in	.)	(Co	orr. Allow	., in.)		[Attachmer	ıt (weld	ed or bo	ted)]
		• •	it i Opco. i		/A	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		N/A	i.			N/	A				N/	Α		
-	[Floating (Mat'l 3			(Dia.,				thk., in				(Corr. All	ow., in.)				(Attachmer	nt)		
40.00	•	N/	' A	, ,		N/A_					N/A_			1_					<u></u>	
13.T	ubes:	Spec. No., Grad				(O.D., in.)			(N	om. thk.	, in. or ga	auge)		(Numi	рег)		[Ту	pe (St	aight o	: U)]
item	ns 14 - 18 incl. t	n he complete	ed for int	rer chambers	s of jackete	d vessels	or channe	els of l	heat ex	change	rs.									١
	Shell (a) No. of				•						h (ft & in.): 3 <u></u>	·-0"							·
14. \$			<u> </u>		Material		$=$ \mp		Thickne				int (Cat. A)	}	Circum	. Joint (Cat. A, B,	& C)	Heat Ti	realment
		ırse(s)	1- 1					Nor		Corr.	Туре	Full. S	pot, None	Eff.	Туре	Full, Sp	ot, None	Eff.	Temp.	Time
No.	Diameter, in.	Length (ft &				.154			0	S		NIL	100 NIL		_					
1	3/4"	<u>3'-0''</u>		SA	<u>-312TP 3</u>	04L	-+	.134	<u> </u>				4.34.4	1						
\vdash												-	-							
15.	Heads: (a)	SA-105N	COU	 PLING(C	9A)					(b)	_SA-1	05N (COUPLI	NG (C9B)	(MT -Tin	a & Temn			
	15. Heads: (a) SA-105N COUPLING(C9A) (Mat'l Spec. No., Grade or Type) (H.TTime & Temp.)										. :				rade or Type) (H.TT				teanry	A
	Location (Top, Thickness		ness					Conical	.		i.			Side to Pressure Convex Concav		Type F				
	Bottom, Ends)	Min.	Corr.	Crov		nuckle	Ratio	Ap	pex Ang				Diameter_			N/A	N/A		V/A	N/A
(a)	Bottom	CL6000	0_	N/A	i i	V/A	_N/A	\dashv	_N/A		N/A		_N/A N/A	N/A	1	_N/A_	N/A		V/A	N/A
(b)	Bottom	CL6000	0_	N/A	1	√A	N/A		_ N/A		N/A								31,4 8	
If re	movable, bolts	used (describ	e other t	fastening)							/hlafi		N/A o., Grade, si	ze, No.)				Platcom	01-02E0)1
											/war i	-hen. (4)		,,						

						EOB	M U-1 (Back)		A) 5	539303	•		, i
. MAWP	163:	5 : :	1490	psi at m	ax. temp.	150_	150	_ °F, Mi	in, design	metal temp	20°Fat	163	<u>5</u> psi.
(j)	iterna	al)	(external)			(internal)	(external)					a of	°F.
. Impact test	MP/	ACT TE	ST EXEM	<u>PT UH</u>	<u>A 51d (1)</u>		or no and the corr	nonent(e) imr	act tested		test temperature		
. Hydro., pneu., o	r con	nb. test pre	ess. Hydro	· atatia	•	-	of test N/A	iponent(s) unp	A01 163166	,			
. Nozzles, inspec				gs:		<u> </u>	14/14		- · · · · · · ·		1		
Purpose (inlet, Diameter Flange Matchan Nozae Thickness Nozae									How Atta		Location		
itlet, Drain, etc.)	No.	or Size	Туре		No	zzle	Flange	Nom.	Согг.	Material	Nozzle	Flange	(Insp.Open)
GAS INLET	L	3"	PIPE/CL90	0 RFW	<u> SA-1</u>	06B	SA105N	.600"	1/16"	N/A	UW16.1(c)	_TYPE1_	SHELL
AS OUTLET	1	3"	PIPE/ CL60	0 RFW	<u> </u>	06B	SA105N	.438"	1/16"	N/A	UW 16.1(c)		TOP
PSV	┶	1"	TO	[SA-1	05N	N/A	CL6000	_1/16"_	N/A	UW16.1(a)	N/A	SHELL
OIL OUTLET	1	1"	TO	Ĺ	SA-1	05N	N/A	CL6000	_1/16"_	N/A	UW16.1(a)	N/A	SHELL
LYCOL OUI	1	1"	TO	L	SA-1	05N	N/A	CL6000		N/A	UW16.1(a)	N/A_	SHELL
TEMP IND	L	3/4"	TO	L	SA-1	05N	N/A	CL6000	1/16"	N/A	UW16.1(a)	N/A	SHELL
PRESS IND	<u> </u>	1/2"	TO	L	SA-1	05N	N/A	CL6000	1/16"	N/A	UW16.1(a)	N/A	SHELL BOT HI
(List the name	Parti	Yes or l) ial Data Re	No) eports properly	(y identified	NO.) I and signed identifying nu	Legs by Commissi imber)	(No.)	ners	(Descri		-	(Where an	
<u>N/A</u>		<u> </u>								` `			
 2. Remarks:				-	_		· · ·						
VOLUMI	- 00	16 M3											
			DATA R	EPORT	PSV IN	PIPING							
SEE ATT	ACI	DATED U-	10 D 2005	7490 (11 01/001	22/ SOL	D TO 2005-74	189 <u>-</u> 01			-		
U Certificate of Date <u>ろよ・1</u>				Alco Ga	s & Oil Pr	oduction I	Expires Equipment La	OCT.7			007 Mr(Represent	tative)	<u> </u>
							FICATE OF S	HOP INSP	ECTION		<u>-</u>		
and employed the pressure vo Manufacturer in employer make nor his employ	oy A essel as co es an er sha	ABSA described onstructed ov warranty	in this Manufa this pressure	acturer's D vessel in a or implied,	accordance w concerning the personal inju	n Oct Trith ASME Cone pressure very or property	Boiler and Pressure 18, 2005 ode, Section VIII, I vessel described in y damage or a los	, and state , and state Division 1. By n this Manufac s of any kind a	ectors and of that, to the signing this sturer's Da wrising from	d/or the State or Pro ALBERTA he best of my know is certificate neither ta Report. Furtherm or connected with BERTA 95A (Nat'l Board incl. er	haledge and belief, the Inspector no nore, neither the this inspection.	r his Inspector	1
We certify that Code, Section U Certificate of	VIII,	Division 1.			ect and that	the field ass	FIELD ASSE sembly constructio	n of all parts o	MPLIAI f this vess	NCE sel conforms with the	e requirements o	f ASME	
	. , ,,,,,,,,			.,					Signed				
Date			Name		. (A	ssembler)				(Repres	sentative)		
		-			CERTIF	ICATE OF	F FIELD ASS	EMBLY IN	SPECTI	ON			
					d by the Natio	onal Board of	f Boiler and Press	ure Vessel Ins	pectors ar	nd/or the State or P	rovince of		
and employe have compar	by ed the	e statemer	nts in this Man	ufacturer's	s Data Repor	t with the des	scribed pressure v	essel and stat	e that par	ts referred to as dat	a items	edce.	
				n	ot included in	the certificati	e of shop inspection	on, have been	inspected	by me and to the b	est of my knowle The described w	essel	
			has construct i to a hydrosta			pressure ves psi. By sig	ssel in accordance Ining this certificat	e with ASME C e neither the li	nspector n	ion VIII, Division 1. or his employer ma	kes any warranty	/ ₁	
										r the Inexector nor			

expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall

Commissions

(Nat'l Board incl. endorsement, State, Province and No.)

be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

(Authorized Inspector)

Signed

FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET

As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

A 539303

				Production Equips	mont ITD 5	203_75 th	STRFF	r EDMONTO)	N ALBERTA			
Manufactured a	nd Ce	-			(1)	lame and addi	ress of Ma	nutacturer)				
2. Manufactured for	ıΓ	PIONE	ER NATURAL R	ESOURCES C/0	GEM PROD. (Nam	MGM'T- 8	39-6th A	AVENUE SW aser)	CALGARY,	ALBER	ΓA	
3. Location of insta	allatio	on _S	WALWELL (LSI) 16-6-30-24-W41	VI)	lame and add						
4. Type: VER	TIC	ΔΥ		· 3 PH. GLYCO	OL CONTAC	OR	_		2005-7403-0)1B		
4. Type: VEX			t., or sphere)		or, heat exh., etc.)	-			(Mfg's serial No	.)		
R-1801.213		(1101121)	-, ₋ ,	•	5993 R0			N/A	2005			
K-1001.413		(CRN)		(Dra			(Nat'l, Bd. No.)	(Year built)				
. Nozzies, ir	spec	tion, and s	afety valve openings:			NII- Th	inkana I	Poinforcement	How Attac	Location		
Purpose (Inlet,		Diameter	Flange	Mate	· · · · · · · · · · · · · · · · · · ·	Nozzle The Nom.	Corr.		Nozzle	Flange	(Insp. Open)	
Outlet, Drain, etc.)	No.	or Size	Туре	Nozzle	Flange				UW16.1(a)	N/A	SHELL	
LEVEL CONT	/ 2_	2"	TOL	SA-105N	N/A	cl_6000	_1/16"	N/A	UVV 10.1(a)			
INSPECTION	-				27/4	cl 6000	1/168	N/A	UW16.1(c)	N/A	SHELL	
WATER	┦1_	1"	COUPLING	SA-105N	N/A	CI OUUU	1/10	N/A	0 11 10.1(6)			
OUTLET	╁			G + 40537	DT/A	cl 6000	0	N/A	UW16.1(c)	N/A_	SHELL	
_ HTG COIL_	2_	111	COUPLING	SA-105N	N/A	cl 6000		N/A	UW16.1(a)	N/A	SHELL	
CHIMNEY	1_	1"	TOL	SA-105N	N/A	CI 0000						
TRAY	+-											
DRAIN	+	1 40	TOL	SA-105N	N/A	cl 6000	1/16"	_N/A	UW16.1(a)	N/A	SHELL	
GLYCOL IN	11	1"		SA-105N SA-105N	N/A	cl 6000		N/A	UW16.1(a)	N/A	TOP	
INSPECTION	┼┴	1 1/2"	TOL	3A-103IN	1071	0.000	1				HEAD	
	4	3/4"	TOL	SA-105N	N/A	cl 6000	1/16"	N/A	UW16.1(a)	N/A	SHELL	
LEVEL	4.	3/4"		<u> </u>								
GAUGE	8	1/2"	TOL	SA-105N	N/A	cl 6000	1/16"	N/A	UW16.1(a)	N/A_	SHELL	
TRAY	-8-	1/ 2		571-10511								
DRAINS EQUALIZER	1	112	TOL	SA-105N	_N/A	cl 6000	1/16"	N/A	UW16.1(a)	N/A	SHELL	
HLSD	1	2"	TOL	SA-105N	N/A	cl 6000		N/A	UW16.1(a)	N/A	SHELL	
		i										
	1											
												
											_	
		<u> </u>					J					
					-							
Data Re					Rema	arks						
Item Nu	mbei	•			,,							
												
			 				 .			-		
					 							
												
Certificate of Auth	oriza	tion:	Type <u>U</u>	No. <u>142</u>	259	Expir	es		,			
			,,			ъ	o:	* KOVI.				
Date Od . 10	5/	07	Name Alco Gas &	Coll Production J	<u>-quipment LT</u>	υ	Signe	u _/0///-	(representativ	/e)	***	
~	`	_ , _	100		11,12		Commissio	n ALBERTA	95A			
Date	אכ	T18/	<u>'U</u> 5	Name(Aut	thorized Inspector)	<i>></i> —	One master		ncl. endorsement,	state, prov		