FORM U-1 MANL ACTURER'S DATA REPORT FOR PRESSURE VESSELS 473727. As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

Manufactured and certified by			-								~, ~~					IV. AH			
2anufactured for									(1	Vame an	emetalco Inc	facture	r)				,,		
	otorea for				11777		Presso	n Mant	racturing	Ltd. 2	103 - 8 th Street dress of Purchase	t Nis	ku, Al	3 T9Z 7	7E1				
3. Locatio	n of installation	1:					Ander	rson Ex					N #40	00 64	40 14/01/				
-					Anderson Exploration, Narraway, AB L.S.D.#10-08-64-10-W6M (Name and address)														
					t, or sphere) (Tank, separator, jkt. vess.											01-3503C			
	P5904			0.2% 85			01-3503		reparator, jaz	vossei, i	leat exil.,etc.)					(Mfg's serial No.)			
	(CRN) 5. ASME Code, Section VIII, Div. 1				(Drawing No.) 1998-2000					(Nati. Bd				i No.)			2001 (Year Built)		
5. ASME														(real Bull				ou,	
ame 6-11	incl to be a					dition and Ad					Code Case	No.			Spec	ial Service	e per UG-12	(a)	
Shell (Shell (a) No. of Course(s):			single v	ngle wall vessels, Jackets of			of jacketed vessels, shell of heal (b) Overall length (ft & i							amber ve	ssels.			
	Course(s	<u> </u>			Material			Thickness			Long. Joint (Cat A) Circum laint (C.)							
No.	Diameter, in.	Lengt	th (ft & in.	,	Spec /C	Grade or Type								ircum, Joint (Cat. A,B,		1 & C)	Heat	Freatment	
4	45 3/4"	T	0' - 0"		Spec./Grade or Ty				Corr.	Туре	Full, Spot, None		Туре	Full,S	pot,None	Eff.	Temp.	Time	
1	45 3/4"	100000	722500	1	SA516-70N			1.250"		1	Full	1.0	_1	Full		1.0	-		
	73 3/4	7' - 5 5/8" SA516-70N			516-70N		1.250"	1/16"	1_	Full	1.0	1	I	Full	1.0	-			
									1	l								1/2	
7. Heads:	(a)			111221	(M-#) 0	N					(b)								
		- 1			1	ec. No., Grad	le or Type) i	H.T Time	e & Temp.				(Mati	Spec. No	o., Grade or	Type) H.1	r. • Time & 1	emp.	
	Location (Тор,	Thick	ness	Re	adius	Ellip	otical	Conical	Hemispherical		Flat		Side to	Pressure		Category	ategory A	
B Section 1	Bottom, Er	nds)	Min.	Corr.	Crown	Knuckle	Ra	ntio	Apex Angle		Radius	Dia	neter	Convex	Concave	Туре	Full, Spot, N	None Eff	
(a)																	1	, vene L.	
(b)																			
If remov se of If bar, gi		1000		fastening		max. temp.	150		•		(Mat'l Spec. No., (cket closure Min. design			S	ribe as oge	If bolt	ed, describe		
If remov se of If bar, gi	jacket	-		fastening	psi at	max temp.	150 (internal	0	(external)	_ Ja	cket closure Min. design			S	ribe as oge	If bolt	ed, describe	or sketch.	
e of the bar, gi	jacket	1000			psi at	max temp.			No, exer	Ja °f npt pe	Min. design	metal (emp.	S		If bolt	ed, describe	000	
If remove of the following of the follow	jacket	1000 nternal)			psi at	7.5		(Indicate	No, exer	Ja °f npt pe	Min. design	metal (emp.	S		If bolt	ed, describe		
if remove of the bar, gift	ipacket ive dimensions (in est oneu ,or comb.te	1000 nternal)	s.	(externa	psi at al)	7.5	(internal	(Indicate	No, exer		Min. design r UCS-66(a). mponent(s) impac	metal (emp.	(Desci		If bolt	ed, describe		
if remove of the bar, gift	ipacket ive dimensions (ir est oneu ,or comb.te	1000 nternal) est pres	s. sed for t	(externation of the second of	psi at al)		(internal	(Indicate	No, exer	Ja of npt pe id the co	Min. design r UCS-66(a). mponent(s) impac Proof test	metal (emp.	(Desci		If bolt	ed, describe	000 psi	
if remove of the bar, gift	ipacket ive dimensions (ir est oneu ,or comb.te	1000 nternal) est pres	s.	(externation of the second of	psi at al)		(internal	(Indicate	No, exer		Min. design r UCS-66(a). mponent(s) impac Proof test	metal (emp.	(Desci		if bolt	ed, describe	000 psi	
if remove of the bar, gift bar, gift bar, gift. MAWP 10. Impact the lift is the bar in the bar, gift bar	ipacket ive dimensions (ir est oneu ,or comb.te	1000 nternal) est pres omple	s. sed for t SA5 ationary ((externation of the second of	psi at al)		(internal 1300 psi 45 3	(Indicate	No, exer	npt pe	Min. design r UCS-66(a). mponent(s) impac Proof test	metal f	emp.) 1/8*	(Desci		If bolt	Welden	000 psi	
if remove of the bar, gift bar, gift bar, gift. MAWP 10. Impact the lift is the bar in the bar, gift bar	ipacket ive dimensions (in est est ineu_or comb te ind 13 to be coet:	1000 nternal) est pres omple	s. ted for t SA5 ationary ((extern: ube sec 16-70N Mari Spe	psi at al) ctions. V	Dia	(internal 1300 psi 45 3	(Indicate	No, exer	npt pe	Min. design r UCS-66(a). mponent(s) impac Proof test 50* hk. in.	metal (1/8" 1/8" ., in.	(Desci		If bolt	Weldernent (welde	000 psi	
if remove the period of the pe	ye dimensions (ir est est oneu or comb te nd 13 to be co	est pres omplei	ss. SA5 ationary ((externation of the second of	psi at at) ctions. N ec. No.)	Dia., in.	1300 psi 45 3, a, in. (subje	(Indicate	No, exer e yes or no ar s.) Nom. thk., ir	Ja of npt pe id the co 3.25 Nom. ti Nom. ti	Min. design r UCS-66(a). mponent(s) impac Proof test 60* hk in. Col BWG M/W	metal f	1/8" orr. Allov	(Desci		If bolts	Weldernent (welde schment	000 psi	
If remove the first section of	ipacket ive dimensions (in est est ineu_or comb te ind 13 to be coet:	est presomplet	ss. SA5 ationary ((externation of the second of	psi at al) ctions. V ec. No.)	Dia., in.	1300 psi 45 3, a, in. (subje	(Indicate i i i/4** ect to pres	No, exer e yes or no ar s.) Nom. thk., ir	Ja or npt pe id the co 3.25 Nom. ti Nom. ti t excha	r UCS-66(a). mponent(s) impac Proof test 60* hk in. Coi BWG M/W nk., in. or gauge ngers.	metal f	1/8" orr. Allov	(Desci		If bolts	Weldernent (welde	000 psi	
If remove the first section of	ve dimensions (ir est est oneu_or comb te nd 13 to be co est:	est presomplet	ss. SA5 ationary ((externation of the second of	psi at al) ctions. N ec. No.) e or Type hambers	Dia., in. of jacketed	1300 psi 45 3, a, in. (subje	(Indicated) i i/4** ect to press i** , in. or change (b) (No, exer e yes or no ar s.) Nom. thk., ir	npt pe d the co 3.25 Nom. ti Nom. ti excha (ft & in.):	r UCS-66(a). mponent(s) impac Proof test 60" hk. in. Cool BWG M/W nk., in. or gauge ngers.	metal f	1/8" 1/8" 1/8" Nu	(Descri	-20	Attachr	Weldernent (welde schment	000 ps d d or bolted)	
If remove the period of the pe	est course(s)	est presomple: St. Mat' comple(s)	ss. SA5 SA5 ationary (i	(externs	psi at al) ctions. Viec. No.) e or Type hambers	Dia., in. of Jacketed 2	1300 psi 45 3. 45 3. 3., in. (subje 3/4 O.D.,	(Indicate i i/4** ect to pres , in. or chann (b) (No, exer e yes or no ar s.) Nom. thk., in nels of hear	Ja of npt pe 3.25 Nom. ti Nom. tt excha (ft & in.):	r UCS-66(a). mponent(s) impac Proof test 60* hk in. Coi BWG M/W nk., in. or gauge ngers.	metal f	1/8" 1/8" Nu Circ	(Descri	-20	Attachr	Welder welder welder welder welder welder welder welder straight	000 psi	
If remove of the bar, gift	est (ir dest) (i	attended to the section of the secti	s. seted for t SA5 ationary (i	(externs	psi at al) ctions. N ec. No.) e or Type hambers	Dia., in. of jacketed 2 aterial rade or Type	1300 psi 45 3 a., in. (subje 3/4 O.D., I vessels	(Indicate i i/4** ect to pres i i i i i i i i i i i i i i i i i i i	No, exer e yes or no ar s.) Nom. thk., in nels of hear Overall length ckness Corr.	Ja of npt pe id the co 3.25 Nom. ti Nom. ti t excha (ft & in.):	Min. design r UCS-66(a). mponent(s) impac Proof test 60* hk in. Col BWG M/W nk, in. or gauge ngers. ong. Joint (Cat A) Full, Spot, None	metal f	1/8" 1/8" 1/8" Nu	(Desci	-20	Attachr	Welder welder welder welder welder welder welder welder straight	dd d or bolted)	
If remove the people of the pe	est course(s)	attended to the section of the secti	ss. SA5 SA5 ationary (i	(externs	psi at al) ctions. N ec. No.) e or Type hambers	Dia., in. of Jacketed 2	1300 psi 45 3 a., in. (subje 3/4 O.D., I vessels	(Indicate i i/4** ect to pres , in. or chann (b) (No, exer e yes or no ar s.) Nom. thk., in nels of hear	Ja of npt pe 3.25 Nom. ti Nom. tt excha (ft & in.):	r UCS-66(a). mponent(s) impac Proof test 60* hk in. Col BWG M/W hk., in. or gauge ngers.	metal f	1/8" 1/8" Nu Circ	(Desci	-20 3' - 0"	Attachr Att	Welderment (welderachment Straight)	d d d or bolted)	
If remove of the bar, gift	est (ir dest) (i	attended to the section of the secti	s. seted for t SA5 ationary (i	(externs	psi at al) ctions. N ec. No.) e or Type hambers	Dia., in. of jacketed 2 aterial rade or Type	1300 psi 45 3 a., in. (subje 3/4 O.D., I vessels	(Indicate i i/4** ect to pres i i i i i i i i i i i i i i i i i i i	No, exer e yes or no ar s.) Nom. thk., in nels of hear Overall length ckness Corr.	Ja of npt pe id the co 3.25 Nom. ti Nom. ti t excha (ft & in.):	Min. design r UCS-66(a). mponent(s) impac Proof test 60* hk in. Col BWG M/W nk, in. or gauge ngers. ong. Joint (Cat A) Full, Spot, None	metal f	1/8" 1/8" Nu Circ	(Desci	-20 3' - 0" at (Cat A.B. poot None	Attachr Att T)	Weldernent (welderachment Straigh	dd d or bolted) It tor U)	
If remove of the bar, gift	est (ir dest) (i	attended to the section of the secti	s. seted for t SA5 ationary (i	(externs	psi at al) ctions. N ec. No.) e or Type hambers M. Spec/G	Dia., in. of Jacketed 2 aterial rade or Type 16-70N	1300 psi 45 3 a, in. (subje	(Indicate i i i/4" ect to pres i i i i i i i i i i i i i i i i i i i	No, exer e yes or no ar s.) Nom. thk., ir nels of hear Overall length ckness Corr. 1/16"	Ja of npt pe id the co 3.25 Nom. ti Nom. ti t excha (ft & in.):	Min. design r UCS-66(a). mponent(s) impact Proof test 60* hk in. Col BWG M/W hk., in. or gauge ngers. ong. Joint (Cat A) Full, Spot, None Full	metal f	1/8" 1/8" Nu Circ	(Desci	-20 3' - 0" st (Cat A,B, pot,None	Attachr Att. T)	Weldernent (welderachment Straigh	dd d or bolted) It tor U)	
If remove of the following of the follow	rest (ir dest one), or comb to the distance (Matti Special No. of course (S) Diameter, in. 45 3/4"	attended to the section of the secti	s. ted for t SA5 ationary (i I Spec. N eted for	ube sec 16-70M Mari Spe	psi at al) ctions. N ec. No.) e or Type hambers M. Spec/G	Dia., in. of Jacketed 2 aterial rade or Type 16-70N	1300 psi 45 3 a, in. (subje	(Indicate i i i/4" ect to pres i i i i i i i i i i i i i i i i i i i	No, exer e yes or no ar s.) Nom. thk., ir nels of hear Overall length ckness Corr. 1/16"	Ja of npt pe id the co 3.25 Nom. ti Nom. ti t excha (ft & in.):	Min. design r UCS-66(a). mponent(s) impac Proof test 60* hk in. Col BWG M/W nk, in. or gauge ngers. ong. Joint (Cat A) Full, Spot, None	metal f	1/8" 1/8" I Nu Circ	v., in. 136 mber Full,Sg	-20 3' - 0" st (Cat A,B pot,None ull	Attachr Att. T) 8 C) Eff. 1.0	Weldernent (welderachment Straigh	d d d or bolted)	
If remove the period of the pe	rest (ir dest one), or comb to the distance (Matti Special No. of course (S) Diameter, in. 45 3/4"	attended to the section of the secti	s. seted for t SA5 ationary (i	ube sec 16-70M Mari Spe	psi at all) ctions. N ec. No.) e or Type hambers M. Spec./Gi SA5	Dia., in. of Jacketed 2 aterial rade or Type 16-70N	1300 psi 45 3 a, in. (subje	(Indicate i i i i i i i i i i i i i i i i i i i	No, exer e yes or no ar s.) Nom. thk., ir nels of hear Overall length ckness Corr. 1/16"	Ja of npt pe id the co 3.25 Nom. ti Nom. ti excha (ft & in.):	Min. design r UCS-66(a). mponent(s) impact Proof test 60* hk in. Col BWG M/W hk., in. or gauge ngers. ong. Joint (Cat A) Full, Spot, None Full	r. Allow	1/8" 1/8" 1/8" Nu Cirr. Allov Cirr. Type 1	M., in. 136 mber Full,Sg F	-20 3' - 0" st (Cat A,B pot,None ull	Attachr Att. T) 8 C) Eff. 1.0	Weldernent (welder Straight) Heat T	dd d or bolted) nt tor U) reatment Time	
If remove of the following of the follow	ipacket ive dimensions (ir iest inequi,or combite and 13 to be conset: course(s) Diameter, in. 45 3/4" (a)	attended to the state of the st	s. ted for t SA5 ationary (i I Spec. N eted for	ube sec 16-70M Mari Spe	psi at all) ctions. N ec. No.) e or Type hambers M. Spec./Gi SA5	Dia., in. of Jacketed 2 aterial rade or Type 16-70N SA51 c. No., Grade	1300 psi 45 3, a, in. (subje 3/4 O.D., t vessels	(Indicate i i i/4" ect to pres in in. or chan (b) (i i i i i i i i i i i i i i i i i i i	No, exer e yes or no ar s.) Norn. thk., ir nels of hear Overall length ckness Corr. 1/16"	Ja of npt pe id the co 3.25 Nom. ti Nom. ti excha (ft & in.):	Min. design r UCS-66(a). mponent(s) impac Proof test 60* hk. in. Coo BWG M/W nk., in. or gauge ngers. ong. Joint (Cat A) Full, Spot, None Full (b)	Co. T. Allow	1/8" 1/8" 1/8" 1 Nu Circ Type 1 (Mat1:	(Description of the country of the c	-20 3' - 0" it (Cat A,B. oot,None ull SA516-i., Grade or Pressure	Attachr Att. Ty & C) Eff. 1.0	Welder We	d d or bolted) It or U) reatment Time	
If remove of the following of the follow	ipacket ive dimensions (in test inequi,or combite and 13 to be conset: course(s) Diameter, in. 45 3/4" (a) Location (To	attended to the state of the st	s. ted for t SA5 ationary (SJI Spec. N eted for h (ft & in.) - 0"	(extern: ube sec 16-70N Mat'l Spe 1179 o., Grade	psi at al) ctions. N ec. No.) e or Type hambers M Spec./Gi SA5	Dia., in. of Jacketed 2 aterial rade or Type 16-70N SA51 c. No., Grade	1300 psi 45 3 a, in. (subje 3/4 O.D., I vessels	(Indicate i i i/4" ect to pres in in. or chan (b) (i i i i i i i i i i i i i i i i i i i	No, exer e yes or no ar s.) Nom. thk., ir nels of hear Dverall length kness Corr. 1/16"	Ja of npt pe id the co 3.25 Nom. ti Nom. ti excha (ft & in.):	Min. design r UCS-66(a). mponent(s) impact Proof test 60** hk in. Cool BWG M/W nk, in. or gauge ngers. ong. Joint (Cat A) Full, Spot, None Full (b)	r. Allow	1/8" 1/8" 1/8" Nu Circ Type 1 (Mart s	M., in. 136 mber Full,Sg F	-20 3' - 0" st (Cat A,B. cot,None ull SA516-7. Grade or	Attachr Att. T) 8 C) Eff. 1.0	Welderment (welder achment Straight) Heat T Temp.	d d or bolted) It or U) reatment Time	

(Mat'l Spec. No., Grade, size, No.)

16. MAWP	1000)	. Pel a	may taus 15	FORM U	1 (Back)	a la			
	(interna	(e	psi at max. temp. 150 - F Min. design metal temp. (external)							•F	at1000 p
17. Impact lest	Yes, required on channel covers. All other material exempt per UCS-66(a).										
	20 - Contract			-			component(s) impa	*			
18. Hydro., pneu., or comi	o. test p	press.		1300 p	osi		Proof test	ct tested)			
19. Nozzles, inspection, a	nd safe	ty valve openir	ngs:				ricci test			-	
Purpose		Diameter	Flange	Mate	erial	Novel	e Thickness				
(Inlet, Outlet, Drain, etc.) Shell Inlet	No.	or Size	Туре	Nozzle	Flange	Nom.	Corr.	Reinforcement	How attached		Location
Shell Outlet	1	18" 600#	RFWN	SA516-70N	SA105-N	.625"	1/16"	Material SA516-70N	Nozzle UW16.1c	Flange	(Insp. Open.)
Channel Inlet	1	18" 600#	RFWN	SA516-70N	SA105-N	.625"	1/16"	SA516-70N	UW16.1c		Bottom Shell
Channel Outlet	1	18" 600#	RFWN	SA516-70N	SA105-N	.625"	1/16"	SA516-70N		Welded	Top Shell Top Channel
Vent / Drain	2	3/4" 6000#	CPLG	SA516-70N	SA105-N	.625"	1/16"	SA516-70N	-	Welded	Bottom Channel
Glycol Injection	1	1" 6000#	CPLG	SA105-N SA105-N		.414"	1/16"	None	UW16.1a	-	Top/Bottom Channel
T.I.'s	2	3/4" 6000#	CPLG	SA105-N	-	.555**	1/16"	None	UW16.1a	-	Channel Covers
P.I.'s	2	3/4" 6000#	CPLG	SA105-N	-	.414"	1/16"	None	UW16.1c	-	Nozzies
				37103-14		.414"	1/16"	None	UW16.1c		Nozzles
							7				
	į.										
. Supports:	Skirt	No Lug	s N/A	1000	ALLA						
		(Yes/no)	(Na)	Legs	N/A Othe		Saddles	Attached	W	elded t	o Shell
. Manufacturer's Parti. (List the name of par	al Dat	a Reports pr	operly identifie	d and signed by C	(140.)		(Describe)	72		Where ar	
(List the name of par	t, iten	n number, mi	g's, name and	identifying numbe	ommissioned Ins	pectors hav	e been furnishe	d for the following it	ems of the	report:	27, 300000 7
					*			25		(T. 1000000)	
Remarks:											
SAFETY VALVES	:	P.S.V. or	n nining ner	IIG 125 2/m\ 4- 1							
SURFACE AREA:		10488.43	so ft	UG-125 3(g) to I	be installed by	owner	CUBIC CAP	PACITY: 545.27	cu.ft.		
The state of the s		Gas Exch	anger					Market and the second s			
	E-140		anger								
-					Construc	ted to Dra	wing #01-350	3 Rev.5			
We certify that the state ASME Code for Pressure U Certificate of Authoriz Date Oct 15, 20	ation I	No.	-	5983 er Industries (A Div	Expire	es _	March 30	,20 02	conform to th	e .	
				(Manufac	turer)	ico inc.j	Signed	ametten	urch	nope	
				CERT	TIFICATE OF SHO	P INSPECT	ION		(Represen	tative)	
, the undersigned, holding and employed by	ng a va	alid commissi	on issued by the	National Board of	Boiler and Pressu	re Vessel In	Enectors and and				
and employed by	-	AL	BERTA BOILE	RS SAFETY ASSO	CIATION	A of	CAL CAR	ie State or Province o	f ALBERT	Α	
he pressure vessel desc	ribed i	n this Manufa	cturede Data D		11).	1 2		Y, ALBERTA	· i	ha	ve inspected
Manufacturer has const nakes any warranty, exp	ructed	this pressu	re vessel in ac	cordance with ASN	ME Code, Section	VIII Divisi		and state that, to the	best of my k	nowledge	e and belief, the
nakes any warranty, exp	ressed	l or implied, c	oncerning the p	ressure vessel de	ribed n this Man	ifacturer's D	on I. by signing	this certificate neith	er the Insp	ector no	r his employer
nakes any warranty, exp n any manner for any per	rsonal	Injury or prop	erty damage or	a loss of any king a	rising from or con	nected with	ata Report, Furth	ermore, neither the In	spector nor	his empl	oyer shall be liable
Date ()().1-	Che	~			1	mecied With	inis inspection.	1 11			.\
Sale CVIII	9 10	Signed		1.521	بكر		Commissi	Al	ata.	1	(2)
			$\overline{}$		d Inspector)			(Nat'l Board incl	endorsemen	40	10
Ve certify that the statem	entr o	a this	New Assessment August 1984	CERTIFICAT	E OF FIELD ASSI	EMBLY COM	PLIANCE		.c.idorseme	its, State	Prov.and No.)
Ve certify that the statem livision 1.		in tills report :	are correct and	that the field assem	bly construction o	f all parts of	this vessel confo	rms with the requirem	ants of ACI		
Certificate of Authoriza	tion N	0						sie requiren		ic Code,	Section VIII,
		.	-		Expires		, 20				
ate		Name						-			
				(Assemb	ler)		Signed				
				CERTIFICATI	E OF FIELD ASSE	MBLY INSP	ECTION		(Representa	ative)	
I, the undersigned, holdi and employed by	ing a v	alld commiss	ion issued by th	e National Board of	Boller and Press	ure Vessel I-	enortes :	34.725. St = 25			
and employed by			N			10336111	speciois and/or t	he State or Province	of		
have compared the state not included in the certif	ments	in this Manu	facturer's Data	Report with the desi	cribed pressure	Secol e d :	of				
not included in the certif	icate d	of shop inspec	ction, have been	inspected by me	nd to the heat of	esser and sta	to that parts refe	rred to as data items			
not included in the certif pressure vessel in accor signing this certificate no	dance	with ASME C	ode, Section V	III, Division 1 The	secribed	ny knowledg	e and belief, the l	Manufacturer has con	structed and	assemb	led this
signing this certificate hi	either I	the Inspector	nor his amplaye			mopeotic	and subjected to	a hydrostatic test of			nai n
Furthermore, neither the	Inspe	ctor nor his er	mployer shall ha	liable in any marra	or for a	mplied, cond	erning the pressi	ure vessel described i	n this Manul	facturer's	Data Report
Furthermore, neither the inspection.				any mann	er for any persona	il injury or pr	operty damage o	a loss of any kind ar	ising from o	connect	ted with this
Date		Signed		4							
		- Control of Control	0	Authorized Inspector	Co.	mmissions					
							(Nat'l Board	ingl sadare 1 a			

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