

ALBERTA LABOUR
 Alberta Boilers Safety Association
 200, 4208 - 97 Street
 Edmonton AB T6E 5Z9
 Partial/ Partiel

A-403458
 ORC M2012/88
**MANUFACTURER'S DATA REPORT
 FOR PRESSURE VESSEL**
**DÉCLARATION DE CONFORMITÉ DU CONSTRUCTEUR
 D'APPAREILS SOUS PRESSION**

Upon shipment of a pressure vessel, this form fully and correctly filled in must be mailed to the office of the Chief Inspector in the province of installation in accordance with the regulations under the Act, governing the construction and installation of pressure vessels.

À la livraison de l'appareil sous pression, ce formulaire complété correctement, doit être envoyé au bureau de l'inspecteur en chef de la province d'installation tel que prévu dans les règlements de la loi sur les appareils sous pression.

Manufactured by Construit par	Name and address of Manufacturer/ Nom et adresse du constructeur RCI
Manufactured for Construit pour	Name and address of Purchaser or Consignee/ Nom et adresse du client ou de son représentant C.S. RESOURCES LTD. c/o MILLENIA RESOURCES CONSULTING
Ultimate owner Utilisateur	Name and address/ Nom et adresse 150 1300 - 8th STREET CALGARY AB.
Location of installation Lieu d'installation	Address/ Adresse PELICAN LAKE COMPLEX, WABASCA AB., LSD# 12-9-081-22W4M

Pressure vessel/ Appareil			
Type/ Genre HORIZONTAL EMULSION TREATER	Serial No./ N° de série 97015-3-30	Year built/ Année de fabrication 1998	Overall Length/ Longueur totale 40'-0"
Provincial Registration No. - C.A.N./ N° d'enregistrement provincial - N.E.C.L-00015.2	National Board No./ N° National Board	Drawing No./ N° de dessin 97015.1/3-30 Rev 2	Diameter/ Diamètre 120"

The chemical and physical properties of all parts meet the requirements of material specifications of the A.S.M.E. Code. YES

The design, construction and workmanship conform to CSA B51. La conception, la construction et la finition sont conformes à l'AC 308.1? YES	ASME Sec VIII	Division DIV I	Addenda/ Suppléments 96	Code case No. N° de cas N/A
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Manufacturers' partial data reports properly identified and signed by authorized inspectors have been furnished for the following items of the report, and attached to this report:
 Les rapports partiels du constructeur adéquatement identifiés et signés par les inspecteurs autorisés ont été produits pour les items suivants du rapport, et attachés à ce rapport:
 N/A

Names of parts/ Nom de la composante	Item No./ N° d'item	Manufacturer's Name/ Nom du constructeur	Identifying Stamp/ Estampe d'identification

Description	Material Matériau	Thickness Épaisseur	Cor Allow. Surtout de corr.	Diameter Diamètre	Overall Length Long. totale	Number of courses Nombre de sections	Girth Joints Joints de circonférence		Longitudinal joints Joints longitudinaux			P.W.T. Trépanage thermique		
							Type	R.T. Rating	Type	R.T. Rating	Stitching Épousure	Temp	Time Durée	
SHELL #1,2,3,4	SAS16-70	0.5	0.0625	120"	10'-0"	4	1	FULL RT-1	1	RT-1	1.0	N/A		

Description	Material Matériau	Min. Thickn. Épais. min.	Corr Allow. Surtout Cor.	Crown Radius Rayon courb.	Knocke Radius Pain rayon	Ellipse Ratio Rapport ellipse	Contact Apex Angle Angle contact	Hemiph. Radius Ray. hémiph.	Flare Diameter diam. flare	Side to pressure Côté appu. pression
FT END	SAS16-70	.691	.0625	N/A		2.1				CONCAVE
OIL END	SAS16-70	.439	.0625			2.1				CONCAVE
Removable bolts used (describe other fastenings) Boulons amovibles utilisés (décrire tout autre attache)							Mat'l Spec/ Spec du mat.		Grade	End Diameter
N/A										

Pressure Vessel Part Partie de l'appareil	Constructed for max. allowable working pressure Construit pour une pression maximale de marche permise	At max. temp. À une temp. max.	Min. Temp. (when less than -29°C) Temp. min. inférieure à -29°C	Test pressure (hydro-pneumatic or combined) Pression d'épreuve (hydro- pneumatique ou combinée)
SHELL	75 PSI	300°F	-20°F	113 PSI

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AR 21 (old) 20 9740

Tube Section / Façonne tubulaire

Tube section / Façonne tubulaire	Material / Matière	Diameter / Diamètre	Nominal Thickness / Epaisseur nominale	Corr. Allow. / Surplus corrosion	Attachment / Mode d'attachement
Tube material / Matière des tubes	Diameter / Diamètre	Nominal Thickness (gauge) / Epaisseur nominale (calibre)	Number / Nombre	Type (Straight or U) / Type (Droit ou U)	Heating Surface / Surface de chauffe

Jacket Closure

Type of Jacket / Genre de chemise	Jacket Closure / Fermeture de chemise	Proof Test / Pression d'épreuve	Heating Surface / Surface de chauffe	Sketch / Schéma
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Safety Valve Outlet / Soupapes de sûreté

Number / Nombre	Dimension	Location / Endroit
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Nozzles and Openings / Tubulures et ouvertures

Purpose / But	Number / Nombre	Dimension	Type	Material / Matière	Nominal Thickness / Epaisseur nominale	Reinforcement material / Matière de renfort	Now attached / Centre d'attache	Location / Endroit
SEE SUPPLEMENTARY SHEETS								

Supports / Supports

Skirt Area / Yes/Out No/In	Legs/Orisks No./Nbre	Legs/Plats No./Nbre	Other/Autres (Description)	Attach'd/Attaches (Where and How) / Attache et endroit
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Remarks / Observations (Cubical capacity / Volume)

VESSEL IS IMPACT TEST EXEMPT PER UCS-66
 VOLUME OF VESSEL 3378 CUFT
 RADIOGRAPHY DONE PER UW-11(a)
 SAFETY VALVE BY OTHERS

Certificate of Compliance / Certificat de conformité

We certify that the statements made in this data report are correct; and that the tank vessel has been constructed in accordance with the Provincial Registered design below and the requirements of standard CSA B51.

Nous certifions que les données de la déclaration de conformité sont correctes et que l'appareil a été construit en accord avec l'enregistrement provincial ci-dessous et les exigences de la norme ACNOR B51

Provincial Registered Design / Enregistrement provincial: L-0015.2

Manufacturer / Constructeur: RCI

Signature: ER. Orlowski Date: March 12/99

Certificate of Shop Inspection / Certificat d'inspection en usine
 I, the undersigned, a duly authorized Boiler and Pressure Vessel Inspector
 Je, soussigné, inspecteur autorisé de chaudières et appareil sous pression
 employed by ARSA
 employé par

of Alberta
 have inspected the above vessel and state that to the best of my knowledge and belief, the manufacturer has constructed the vessel in accordance with the Provincial registration CRN L-0015.2 and the requirements of standard CSA B51.

ai inspecté l'appareil produit et certifie que je crois, en ma connaissance et en ma conviction, que le constructeur a construit l'appareil en accord avec l'enregistrement provincial NRP

Inspector's Name / Nom de l'inspecteur: Don Chelmsworth

Signature: JR. Halpern ARSA Date: March 12/99

Certificate of Compliance - Field Work / Certificat de conformité - Installation au chantier

We certify that the field installation of all parts of the vessel conforms with the requirements of Provincial Regulations.

Nous certifions que l'installation au chantier de toutes les composantes de l'appareil est conforme aux règlements provinciaux.

Installer's Name / Nom de l'installateur: _____

Signature: _____

Date: _____

Certificate of Field Inspection / Certificat d'inspection - Installation au chantier

I, the undersigned, a duly authorized Boiler and Pressure Vessel Inspector
 Je, soussigné, inspecteur autorisé de chaudières et appareil sous pression
 employed by _____
 employé par

have inspected the items not covered by the Shop Inspection Certificate and the installation of the items and state that to the best of my knowledge and belief the construction and assembly of the items are in accordance with the Provincial Regulations.

ai inspecté les composantes non couvertes par le certificat d'inspection en usine et l'installation de l'appareil et certifie que je crois, en ma connaissance et en ma conviction, que la construction et l'assemblage de l'appareil sont en accord avec les règlements provinciaux.

Inspector's Name / Nom de l'inspecteur: _____

Signature: _____ Date: _____



A 403458

HEAD OFFICE
PO Box 3120, 53251-RR 232
Sherwood Park, Alberta, T8A 2A6
Phone: (403) 417-7222, Fax: (403) 417-7220

- Manufactured and certified by: RCI Resource Constructors Inc., 53251 RR 232 Sherwood Park, Alberta. T8A 2A6
(Name and Address of Manufacturer)
- Manufactured for: C.S. RESOURCES LTD. c/o MILLENIA RESOURCE CONSULTING
(Name and Address of Purchaser) 150, 1300-8th STREET, CALGARY, AB.
- Location of installation: PELICAN LAKE COMPLEX, WABASCA AB., LSD# 12-9-081-22W4M
(Name and Address)
- Type: Horizontal EMULSION TREATER 97015-3-36 L-COR.2 97015.1/3 REV 2 N/A 1998
(Horz, Vert, or Sphere) (Tank, Sep., Heat (Mfg's Serial No.) (CRN) (Drawing No.) (Nat'l Bd. No.) (Year Built)
Exh., Etc.)

Purpose (Inlet, Outlet, Drain)	Item No.	Diameter or Size	Type	Material	Nominal Thk.	Reinforcement Material	How Attached	Location
EMULSION INLET	N1	6"	150# RFWN PIPE	SA-105 SA-106B	SCH 80		WELDED	PIPE SHELL
GAS OUTLET	N2	3"	150# RFWN PIPE	SA-105 SA-106B	SCH 80		WELDED	PIPE DOME
OIL OUTLET	N3	4"	150# RFWN PIPE	SA-105 SA-106B	SCH 80		WELDED	PIPE HEAD SHELL
WATER OUTLET	N4	2"	150# RFWN PIPE	SA-105	SCH 160		WELDED	SHELL
DRAIN	NSAB	3"	150# RFWN PIPE	SA-105	SCH 80		WELDED	PIPE SHELL
ANODE	N6A/E	4"	150# RFWN PIPE	SA-105 SA-106B	SCH 80		WELDED	PIPE SHELL
		3/4"	STUD	SA-1937M				
RELIEF	N7	4"	150# RFWN PIPE	SA-105 SA-106B	SCH 80		WELDED	PIPE SHELL
WASH WATER INLET	N8A/E	3"	150# RFWN PIPE	SA-105	SCH 80		WELDED	PIPE
		3"	150# RFSO PIPE	SA-105 SA-106B	SCH 80		WELDED	SHELL
WASH WATER INLET	N9A/A	2"	150# RFWN PIPE	SA-105	SCH 160		WELDED	PIPE
		2"	150# RFSO PIPE	SA-105 SA-106B	SCH 160		WELDED	SHELL
DESAND WATER OUTLET	N10A/E	3"	150# RFWN PIPE	SA-105 SA-106B	SCH 80		WELDED	PIPE SHELL
DESUDGE OUTLET	N11A/B	3"	150# RFWN PIPE	SA-105 SA-106B	SCH 80		WELDED	PIPE SHELL
MANWAY	M 1/2	24"	150# RFSO PIPE	SA-105 SA-106B	SCH 40		WELDED	PIPE SHELL
		24"	BLIND FLANGE	SA-105	SCH 40			
		24"	GASKET	316SS	1/8"			
		1.25	STUD	SA-1937M				
		1.25	NUT	SA-1942HM				
		24"	DAKIT	CS				
		24"	HANGE	CS				
DOME	D1	24"	HEAD	SA-51670	SCH 40		WELDED	PIPE
		24"	PIPE	SA-106B	SCH 40		WELDED	SHELL
		24"	PIPE	SA-106B	SCH 40		WELDED	HEAD
		24"	150# RFSO	SA-105	SCH 40		WELDED	PIPE
		24"	GASKET	316SS	1/8"			
		1.25	STUD	SA-1937M				
		1.25	NUT	SA-1942HM				
FIRE TUBE	FT 1/2	15.75"	PLATE	SA-51670N	1.375			
		15.75"	PLATE	SA-51670N	1.125			
		15.75"	PLATE	SA-51670	0.5			
		3"	GASKET	VEOPREN	0.1875			

Date May 12/98 Name RCI Resource Constructors Inc.

Signed [Signature]
(Manufacturer) (Representative)

Date May 12/98 No.: TR 1000000 ARJB

Commission Alberta ARJB
(Nat'l Board Incl. Endorsement, State, Province and No.)



A-403438

HEAD OFFICE
PO Box 3120, 53251-RR 232
Sherwood Park, Alberta, T8A 2A6
Phone: (403) 417-7222, Fax: (403) 417-7220

1. Manufactured and certified by: RCI Resource Constructors Inc., 53251 RR 232 Sherwood Park, Alberta, T8A 2A6
(Name and Address of Manufacturer)
2. Manufactured for: C.S. RESOURCES LTD. 40 MILLENIA RESOURCE CONSULTING
(Name and Address of Purchaser) 150, 1300-8th STREET, CALGARY, ALBERTA
3. Location of installation: PELICAN LAKE COMPLEX, WABASCA, AB, LSD # 12-9-081-22W4M
(Name and Address)
4. Type: Horizontal EMULSION TREATER 97015-3-30 L-00152 97015-1/3 REV 2 N/A 1998
(Horz, Vert, or Sphere) (Tank, Sep., Heat Exh., Etc.) (Mfg's Serial No.) (CRN) (Drawing No.) (Nat'l. Bd. No.) (Year Built)

Purpose (Inlet, Outlet, Drain)	Item No.	Diameter or Size	Type	Material	Nominal Thk.	Reinforcement Material	How Attached	Location
FIRE TUBE	FT 1/2	.75"	STUD	SA19387M				
		.75"	NUT	SA1942HM				
DESLODGE (SPARE)	N11A/B	3"	BUNG FLANGE	SA105	SCH 80			
		3"	GASKET	316SS	.125"			
		.625"	STUD	SA19387M				
		.625"	NUT	SA1942HM				
DESLODGE OUTLET	N12A/B	3"	150# RFWN	SA105	SCH 80		WELDED	PIPE
		3"	150# RF50	SA105	SCH 80			
		3"	PIPE	SA-106B	SCH 80		WELDED	SHELL
WATER LT	N13A/B	2"	150# RFWN	SA105	SCH 160		WELDED	PIPE
		2"	150# RFTRF	SA105	SCH 160			
		2"	GASKET	316SS	.125"			
		.625"	STUD	SA19387M				
		.625"	NUT	SA1942HM				
		2"	PIPE	SA101B	SCH 160		WELDED	SHELL
		2"	PIPE	SA106B	SCH 160		WELDED	SHELL
TI	C1A/B	.75"	COUPLING	SA105	6000#		WELDED	SHELL
		.75"	COUPLING	SA105	6000#		WELDED	SHELL
TE	C2A/B	1.0"	COUPLING	SA105	6000#		WELDED	SHELL
PI	C3	.50"	COUPLING	SA105	6000#			
SAMPLE	E4A/B	.75"	COUPLING	SA105	6000#		WELDED	SHELL
		.75"	COUPLING	SA105	6000#		WELDED	SHELL
SAMPLE	C5A/B	.75"	COUPLING	SA105	6000#		WELDED	SHELL
		.75"	COUPLING	SA105	6000#		WELDED	SHELL
FUEL GAS	C6A/B	1.0"	COUPLING	SA105	6000#		WELDED	SHELL
L5LL	C7A/B	1.0"	COUPLING	SA105	6000#		WELDED	SHELL
L5HH	C8A/B	1.0"	COUPLING	SA105	6000#		WELDED	SHELL
OIL LT	C9A/B	1.0"	COUPLING	SA105	6000#		WELDED	HEAD
SPARE	C10	1.0"	COUPLING	SA105	6000#		WELDED	SHELL
		1.0"	PLUG	SA105	6000#			
SPARE	C11	1.0"	COUPLING	SA105	6000#		WELDED	SHELL
		1.0"	PLUG	SA105	6000#			
	C12	1.0"	COUPLING	SA105	6000#		WELDED	SHELL
		1.0"	PLUG	SA105	6000#			
LG	C13A/B	1.0"	COUPLING	SA105	6000#		WELDED	SHELL
SAMPLE	C14	.75"	COUPLING	SA105	6000#		WELDED	SHELL

Date March 12/98 Name RCI Resource Constructors Inc.

Signed C. Allison
(Manufacturer) (Representative)

Date Mar 18/98 Name J.R. Blawie
(Authorized Inspector)

Commission Alberta AS78
(Nat'l Board Incl. Endorsement, State, Province and No.)