

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

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

Form U-1A

1. Manufactured and certified by **PRESSON MANUFACTURING LTD. 2103 - 8 ST., NISKU, ALBERTA, CANADA T9E 7Z1**  
(Name and address of Manufacturer)

2. Manufactured for **RENAISSANCE ENERGY LTD. 3000, 425-1st. STREET S.W. CALGARY, ALBERTA T2P 3L8**  
(Name and address of Purchaser)

3. Location of Installation **WILLOW RIVER EAST L.S.D. 06-03-78-26 W4M**  
(Name and address)

4. Type **VERTICAL** **6154-21** **K9972..2** **B5308-241** **---** **1998**  
(Horiz. or vert. tank) (Mfg'r's serial No.) (CRN) (Drawing No.) (Nat'l. Bd. No.) (Year Built)

5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER and PRESSURE VESSEL CODE  
The design, construction, and workmanship conform to ASME rules, Section VIII, Division 1 **1995**  
to **A-96** **---** **---** (Year)

6. Shell: **SA106B** **.5** **.0625** **16" OD** **28'-0"**  
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. ID (ft. & in.) Length (overall) (ft. & in.)

7. Seams: **SMLS** **NONE** **100** **---** **---** **TYPE 1** **FULL** **3**  
Long. (Welded, Dbl., Sngl., Lap, Butt) RT (Spot or Full) Eff. (%) H.T. Temp. (°F.) Time (hr.) Girth (Welded, Dbl., Sngl., Lap, Butt) RT (Spot, Partial or Full) No. of Courses

8. Heads: (a) Mat'l. **SA51670** (b) Mat'l. **SA51670**  
(Spec. No., Grade) (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)	TOP	.4375"	.0625"	---	---	2:1	---	---	---	CONCAVE
b)	BOTTOM	.4375"	.0625"	---	---	2:1	---	---	---	CONCAVE

If removable, bolts used (describe other fastenings)

9. MAWP **655** **psi** at max. temp. **150** **°F**  
(Mat'l., Spec. No., Gr., Size, No.)

Min. design metal temp. **-20** **°F** at **655** **psi** Hydro., Pneu., or Comb. test pressure **983** **psi**

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam or Size	Type	Material	Nom. Thickness	Reinforcement Material	How Attached	Location
INLET	1	3"	RFWN	SA106B	XXH	---	UW16.1C	SHELL
GAS OUTLET	1	3"	RFWN	SA106B	XXH	---	UW16.1C	HEAD
GLYCOL INLET	1	1"	RFWN	SA106B	XXH	---	UW16.1C	SHELL
DRAIN	1	1"	CPLG	SA106B	XXH	---	UW16.1C	HEAD
LIQUID / GLYCOL OUT	2	1"	CPLG	SA105	6000#	---	UW16.1C	SHELL
LC / INSPECTION	3	2"	CPLG	SA105	6000#	---	UW16.1C	SHELL
LG / PI / TI	4	3/4"	CPLG	SA105	6000#	---	UW16.1C	SHELL
PSV	1	1"	CPLG	SA105	6000#	---	UW16.1C	SHELL

11. Supports: Skirt **YES** Lugs (yes or no) **(No.)** Legs (No.) **(No.)** Other (Describe) **Attached** **WELDED**  
(Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report:

(Name of part, item number, Mfg'r's. name and identifying stamp)

**VESSEL HYDROTESTED HORIZONTALLY**  
**CONTINUED ON U4A FORM**

CONTACTOR (C-310)  
IMPACT EXEMPT PER UG-20f  
VOLUME= 35.5 Cu. Ft. 1 Cu. M.

## CERTIFICATE OF SHOP COMPLIANCE


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. 16081 expires **SEPTEMBER 26**, 1998.

Date: **APRIL 6, 1998** Co. Name: **PRESSON MANUFACTURING LTD.**  
(Manufacturer)

Signed:  (Representative)

## CERTIFICATE OF SHOP INSPECTION

Vessel constructed by **PRESSON MANUFACTURING LTD** at **NISKU, ALBERTA**. I, the undersigned, holding a valid Commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of **ALBERTA** and employed by **ALBERTA BOILER SAFETY ASSOCIATION** have inspected the component described in this Manufacturer's Data Report on **APRIL 6**, 1998, and state that, to the best of my knowledge and belief, the 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 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 property damage or a loss of any kind arising from or connected with this inspection.

Date **APRIL 6, 1998** Signed  (Authorized Inspector)

Commissions **Alberta #51**  
Nat'l. Board (Incl. endorsements, State, Prov. and No.)

④ 440971  
TARY SHEET

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