

143865

A143865  
OCT 15/78  
Wilson

**FORM U-1A MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS**  
(Alternate Form for Single Chamber, Completely Shop-Fabricated Vessels Only)  
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured by **CE NATCO LIMITED** 1100A - 58 AVE. S.E. CALGARY, ALBERTA  
2. Manufactured for **PAN CANADIAN PETROLEUM** 2000 - ONE PALLISER SQ. CALGARY, ALBERTA  
3. Location of Installation **RICHMOND, ALBERTA** 10-6-70-19-W4  
4. Type **VERTICAL** **IS-1761** **C-8902.2** **LA-8855** (Year Built) **1978**  
(Horiz. or vert. tank) (Mfr's Serial No.) (CRN) (Drawing No.) (Nat'l Brd No.)  
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 1977 and Addenda to **SEPT. 1978** and Code Case Nos. \_\_\_\_\_  
(Year) (Date)

DEC 28 1978

Special Service per UG-120(d) \_\_\_\_\_  
Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: \_\_\_\_\_

6. Shell: Matl. **SA-53 B** Nom. Thk. **.843** in. Corr. Allow. **.063** in. Diam. **16** in. Lgth. **21** ft **6** in.  
(Spec. No., Grade)  
7. Seams: Long. **SMLS** R.T. **NIL** Efficiency **100** % H.T. Temp. \_\_\_\_\_ F Time \_\_\_\_\_ hr  
(Welded, Dbl, Sngl, Lap, Butt) (Spot or Full)  
Girth **WELDED SGL. BUTT. w/ B.U.S.** R.T. **PARTIAL** No. of Courses **2**  
(Welded, Dbl, Sngl, Lap, Butt) (Spot, Partial, or Full)  
8. Heads: (a) Material **SA-285 C** (b) Material **SA-285 C**  
(Spec. No., Grade) (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Min. Thk.	Corr. Allow.	Crown Radius	Knuckle Radius	Ellipse Ratio	Conical Apex Angle	Hemisph. Radius	Flat Diam	Side to Pressure (Convex or Concave)
(a)	<b>TOP</b>	<b>.9375"</b>	<b>.063"</b>	<b>SEMI-ELLIP.</b>	<b>2:1</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>CONCAVE</b>
(b)	<b>BOTTOM</b>	<b>.9375"</b>	<b>.063"</b>	<b>SEMI-ELLIP.</b>	<b>2:1</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>CONCAVE</b>

If removable, bolts used (describe other fastenings) \_\_\_\_\_

9. Constructed for max. allowable working pressure **1300** psi at max. temp. **100** F. Min. temp. (when less than -20 F) \_\_\_\_\_ F. Hydrostatic, pneumatic, or combination test pressure **1950** psi.  
(Material, Spec. No., Gr., Size, No.)  
10. Safety Valve Outlets: Number **1** Size **1 1/2"** Location **TOP HEAD**

11. Nozzles and Inspection Openings:  
Purpose (Inlet, Outlet, Drain) No. Diam. or Size Type Matl. Nom. Thk. Reinforcement Matl. How Attached Location

SEE NOZZLE SCHEDULE

12. Supports: Skirt **YES** Lugs \_\_\_\_\_ Legs \_\_\_\_\_ Other \_\_\_\_\_ Attached **BTM. HD. WELDED**  
(Yes or no) (No.) (No.) (Describe) (Where and how)

13. Remarks: **16" Ø x 21'-6" - 1300 P.S.I.**  
**2 PHASE CONTACTOR**  
**VOLUME 33 CUB. FT.**

**CERTIFICATE OF 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.  
Date **OCT 17/78** Signed **CE NATCO LIMITED** (Manufacturer) by **[Signature]** (Representative)  
"U" Certificate of Authorization No. **11313** expires **SEPT. 9th** 19 **80**

**CERTIFICATE OF SHOP INSPECTION**

Vessel made by **CE NATCO LIMITED** at **CALGARY, 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 **GOVERNMENT** have inspected the pressure vessel described in this Manufacturers' Data Report on **OCT 18** 19 **78**, 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 the Manufacturers' 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.  
Signed **[Signature]** (Inspector) Date **OCT 18/78** Commissions **ALBERTA** (Nat'l Board, State, Province and No.)



A 143865



DIV. 1  
RT-2  
CRN.

C-8902.2

C.E. NATCO LTD.  
CALGARY, ALBERTA, CANADA

SERIAL NO. LS-1761

MATERIAL SA-53B SA-516 T.S. 60000. 70000.

MAX. PRESS. 1300 PSI. AT 100 °F.

SHELL TK. 0.843 HEAD TK. 0.9375

C.A. 0.063 T.P. 1950 °PSI

19 ASME CODE U.W. 12

DATE 10-1978 S.O.# 2245A

ONLY CAN

SIZE

VESSEL

NATIONAL DEHYDRATION UNIT

MODEL 2. PHASE SIZE 16"OD x 21'-6"

DESIGN NO. LA-8855 WKG. PRESS. 1300 PSI.

SERIAL NO. LS-1761 DATE BUILT 10. 1978

C. E. NATCO LTD.

