

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

1. Manufactured and certified by: CoNEL, INC. 15704 N. Hwy. 14, Sterling, Colorado USA 80751  
 (Name and address of manufacturer)

2. Manufactured for: Renaissance Energy LTD, 3300 Four Hundred 1st. Ave, Calgary Alberta, Canada  
 (Name and address of purchaser) T2P 4H2

3. Location of installation: Calgary Alberta, Canada  
 (Name and address)

4. Type: Horiz. Treater HT-99 K-2234.2 S-1351001 ---1567--- 1999  
 (Mark or set, code) (Mfg. serial No.) (Code) (Drawing No.) (Part 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. Year: 1999

6. Date: Dec. 31, 1999 None None  
 (Date) (Date) (Date)

7. Shell: SA-516 Gr. 70 313 0.0 5'-11.525" 20'-0"  
 (Mat. Spec. No., Grade) (Nom. Thk.) (Cor. Allow. In.) (Dn. L2 (R. S. I)) (Length Overall (R. S. I))

8. Heads: (a) Head: Wld. Dbl. Butt Spot 95 N/A N/A Wld. Dbl. Butt Spot 4  
 (Long. Headed, Std. Long. Head) (A.T. Head or Flat) (R. S. I) (H.T. Temp. (F)) (Dn. In.) (Dn. Headed, Std. Long. Head) (A.T. Head, Flat or Full) (No. of Heads)

(b) Head: SA-516 Gr. 70  
 (Mat. Spec. No., Grade)

Locator (Top, Bottom, End)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Membranical Radius	Flat Diameter	Side to Pressure (Concave or Convex)
(a) End	313	0.0	66"	4.5"	--	--	--	--	Concave
(b) End	313	0.0	66"	4.5"	--	--	--	--	Concave

If removable, bolts used (describe each or fastening): N/A  
 (Mat. Spec. No., Dn. In.)

9. MAWP: 75 psi at 175 deg. F. Hydro. press. or other test pressure: 117 psi  
 (Min. design metal temp. deg. F. at test) (psi) (psi)

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Dim. or Size	Type	Mat.	Nom. Thk.	Reinforcement Mat.	How Attached	Location
Inlet	1	3"	Thrd.	SA-105	3000#	None	Weld	End
Outlet	3	3"	Thrd.	SA-105	3000#	None	Weld	End
Drain	1	2"	Thrd.	SA-105	3000#	None	Weld	Shell
Relief	2	2"	Thrd.	SA-105	3000#	None	Weld	Shell

11. Supports: SH-11 NO Loop 0 App. ? Other None Attached Shell Welded Welded  
 (Type or set) (No.) (No.) (No.) (Description) (Where attached) (Where welded)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: None  
 (Name of set, item number, qty's, name and identifying mark)

\* Item 9 UG-20 (f)  
 \*\* Item 10 Additional Connections See Form U-4 Attached

**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. 14,245 issued Oct. 27, 1992  
 Date: Oct 31 1999 Co. Name: CoNEL, INC. Signed: [Signature] (Manufacturer)

**CERTIFICATE OF SHOP INSPECTION**

Vessel constructed by: CoNEL, INC. at Sterling, Colorado (USA)

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Colorado and employed by H.S.P.I., Inc.

have inspected the component described in this Manufacturer's Data Report on Oct 31 1999 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: Oct 31 1999 Signed: [Signature] (Inspector) Commission: H.P. 9033 Colo, 354  
 (Name and address) (Full Board (set, organization), State, Zip and No.)

(1267) This Form (EG0117) may be obtained from the ASME Order Dept., 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300