A179490

(A) 179490

1. Manufactured by PROPAK SYSTEMS LTD., 10 EAST LAKE BLVD., AIRDRIE, ALBERTA
(Name and address of manufacturer)

2. Manufactured for LOCHFAYNE RESOURCES LTD. 15 Flr., 540 - 5th Ave. S.W., CALGARY, ALBERTA
(Name and address of purchaser)

3. Location of installation 7-13-30-2-W5
(Name and address)

4. Type HORIZ. (Horiz., or vert. tank) Vessel No. 82102-E (Mfgr's Serial No.) E-3628.2 (CRN) 82102-005 (Drawing) _____ (Nat'l Brd No.) Year Built 1982

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 1981 (Year) and Addenda to SUMMER (Date) and Code Case no. N/A.

Special service per UG-120(d) N/A

Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: N/A
(Name of part, item number, mfgr's name and identifying stamp)

Items 6-11 incl. to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers

6. Shell: Material SA106B (Spec. No., Grade) Nom. Thickness .43 in. 10.97 mm Corrosion Allowance .062 in. 1.6 mm Diam. ____ ft. 6.614 in. 168 mm Length 32 ft. ____ in. 9738 mm (Overall)

7. Seams:
Longitudinal SMLS (Dbl., Sngl.) R.T. N/A (Spot or Full) Efficiency 100% H.T. Temp N/A F N/A C Time N/A Girth SNGL (Dbl., Sngl.) R.T. SPOT (Spot, Partial, or Full) No. of Courses ____

8. Heads: (a) Material N/A (Spec. No., Grade) (b) Material N/A (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness mm	Minimum Thickness in	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)											
(b)											

If removable, bolts used (describe other fastenings) N/A
(Material, Spec. No., Gr., Size, No.)

9. Type of Jacket N/A Proof Test N/A

10. Jacket Closure N/A (Describe as ogee & weld, bar, etc.) If bar, give dimensions N/A If bolted, describe or sketch.

11. Constructed for max. allowable working pressure 1247 psi at max. temp. 149 F Min. temp. (when less than -20 F) N/A F.
Hydrostatic, pneumatic, or combination test pressure 1870 psi., 12900 kPa 8600 kPa 65 C N/A C

Items 12 and 13 to be completed for tube sections

12. Tubesheets: Stationary Material SA516-70 (Spec. No., Gr.) Diam. 6.614 in. 168 mm (Subject to pressure) Nominal Thick. 1.25 in. 31.75 mm Corrosion Allow. .062 in. 1.6 mm Attachment WELDED (Welded, Bolted)
Floating Material N/A (Spec. No., Gr.) Diam. N/A in. N/A mm Nominal Thick. N/A in. N/A mm Corrosion Allow. N/A in. N/A mm Attachment N/A

13. Tubes: Material SA-179 (Spec. No., Gr.) O.D. .750 in. 19 mm Nominal Thickness N/A in. N/A mm or gauge Number 14 Type STRAIGHT (Straight or "U")

Items 14-17 incl. to be completed for inner chambers of jacketed vessels or channels of heat exchangers

14. Shell: Material SA-106-B (Spec. No., Gr.) Nominal Thickness .43 in. 10.97 mm Corrosion Allowance .062 in. 1.6 mm Diam. ____ ft. 6.614 in. 168 mm Length 1 ft. ____ in. 300 mm

15. Seams:
Longitudinal SMLS (Dbl., Sngl.) R.T. N/A (Spot or Full) Efficiency 100 % H.T. Temp N/A F N/A C Time N/A Girth SNGL (Dbl., Sngl.) R.T. SPOT (Spot, Partial or Full) No. of courses ____

16. Heads: (a) Material SA-105 (Spec. No., Grade) (b) Material SA-105 (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness mm	Minimum Thickness in	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	ENDS				600	RFWN	BLIND FLANGE			168	FLAT
(b)	ENDS				600	RFWN	BLIND FLANGE			168	FLAT

If removable, bolts used (describe other fastenings) ____
(Material, Spec. No., Gr., Size, No.)

17. Max. allowable working pressure 1247 psi at max temp. 149 F. Min. temp. (when less than -20F) N/A F. 8600 kPa 65 C N/A C
Hydro. pneu. or comb. test pressure 1870 psi., 12900 kPa

Items below to be completed for all vessels where applicable

18. Safety Valve Outlets: Number ____ Size ____ Location ON PIPING

This form may be obtained from the National Board of Boiler and Pressure Vessel Inspectors, 1055 Crupper Ave., Col's., O. 43229 NB-26 Rev. 4

FORM U-1 (BACK)

A179490

19. Nozzles:

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size mm	Diam. or Size in	Type	Material	Nominal Thickness	Reinforcement Material	How Attached
INLET TUBESIDE	N1	60	2	RFWN	SA-105	160	SA-106-B	WELDED
INLET SHELL SIDE	N2	60	2	RFWN	SA-105	160	SA-106-B	WELDED
OUTLET TUBESIDE	N3	60	2	RFWN	SA-105	160	SA-106-B	WELDED
OUTLET SHELLSIDE	N4	60	2	RFWN	SA-105	160	SA-106-B	WELDED
VENT	C1	33	1	CPLG	SA-105	3000		WELDED
DRAIN	C2 A/B	33	1	CPLG	SA-105	3000		WELDED
FUEL GAS CONN.	C3	33	1	TOL	SA-105	3000		WELDED

20. Inspection Openings:
Manholes No. N/A Size N/A Location N/A
Handholes No. N/A Size N/A Location N/A
Threaded No. N/A Size N/A Location N/A

21. Supports: Skirt NO (Yes or no) Lugs NO (No.) Legs 2 (No.) Other N/A (Describe) Attached WELDED SHELL (Where and how)

22. Remarks: VOLUME: .31 M^3/10.94 ft^3 HEATING SERVICE 24m^2/259$ft.^3$

VESSEL TYPE: GAS/GAS EXCHANGER

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 28/4/82 Signed PROPAK SYSTEMS LTD. (Manufacturer) by David Sedlaw (Representative)

"U" Certificate of Authorization No. 14,422 expires June 30, 19 83.

CERTIFICATE OF SHOP INSPECTION

Vessel made by PROPAK SYSTEMS LTD. at AIRDRIE, ALBERTA

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of ALBERTA and employed by LABOUR of have inspected the pressure vessel described in this Manufacturers' Data Report on Apr. 28, 1982, 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.

Date 28/4/82.

Signed (Inspector) Commissions (Nat'l Board, State, Province and No.)

CERTIFICATE OF COMPLIANCE FOR FIELD WORK

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 Signed PROPAK SYSTEMS LTD. (Manufacturer) by (Representative)

"U" Certificate of Authorization No. 14,422 expires June 30, 19 83.

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of ALBERTA and employed by LABOUR of have compared the statements in this Manufacturers' Data Report with the described pressure vessel and state that parts referred to as data items , not included in the certificate of shop inspection, have been inspected by me and that, to the best of my knowledge and belief, the Manufacturer has constructed and assembled this pressure vessel in accordance with ASME Code, Section VIII, Division 1.

The described vessel was inspected and subjected to a hydrostatic test of psi.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this 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.

Date

Signed (Authorized Inspector) Commissions (Nat'l Board, State, Province and No.)