

**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**

**CORRECTED  
COPY**

413372

1. Manufactured and certified by PROPAK SYSTEMS LTD., 505 EAST LAKE BOULEVARD, AIRDRIE, ALBERTA CANADA.  
(Name and address of manufacturer)

2. Manufactured for Paramount Resources Ltd. 400 First Canadian Centre, 350-7th Ave. SW, Calgary, Alberta, T2P 3W5  
(Name and address of purchaser)

3. Location of installation L.S.D. F36 60° 10 min. North, 123° 15 min. West, N.W.T.  
(Name and address)

4. Type Vertical Contactor 99417-101 L-8327.213T D-CTR-99413-101 R.3 N/A 2000  
(Horiz. or vert. tank) (Mfg'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 1998 Edition  
Year

6. Shell: SA-516-70N 1.375" .062" 2' - 9.25" 30' - 0"  
Mat'l. (Spec. No., Grade) Code Case Nos. Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Type 1 Full 100 N/A N/A Type 1 Full 3  
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (F) Time (hr) Girth (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Mail. SA-516-70N (b) Mail. SA-516-70N  
(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	1.26"	.062"			2:1				Concave
(b)	Bottom	1.26"	.062"			2:1				Concave

If removable, bolts used (describe other fastenings) \_\_\_\_\_  
(Mat'l., Spec. No., Gr., Size, No.)

9. MAWP 1415 psi at max. temp. 151 ° F  
 Min. design metal temp. -20 ° F at 1415 psi. Hydro., 1840 or 1840 test pressure 1840 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
Inlet/Outlet	2	6"	RFWN	SA-106-B	.864"	SA-516-70N	UW16.1(c)	Shell/Top
PSV	1	2"	RFWN	SA-106-B	.343"	Integral	UW16.1(c)	Shell
Inspection	1	2"	CPLG	SA-105	6000#	Integral	UW16.1(a)	Top
Gly. Inlet	1	1"	CPLG	SA-105	6000#	Integral	UW16.1(a)	Shell
Tray Drain	9	.75"	CPLG	SA-105	6000#	Integral	UW16.1(a)	Shell
Equal. Conn.	1	1.5"	CPLG	SA-105	6000#	Integral	UW16.1(a)	Shell
Gly. Outlet	1	1.5"	CPLG	SA-105	6000#	Integral	UW16.1(a)	Shell

11. Supports: Skirt Yes Lugs 2 Legs Nil Other N/A Attached Bottom Head-Welded  
(Yes or no) (No.) (No.) (Describe) (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 this report:

(Name of part, item number, Mfr's name and identifying stamp)  
Glycol Contactor, Tag #: T-201. Volume: 184 cu. ft. Built to drawing #: D-CTR-99417-101 R.5  
Pressure Relief Devices installed by others prior to operation per UG-125.  
See attached U4 form for further remarks

**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. 21387 expires July 12 2002.

Date 2000/03/02 Co. Name PROPAK SYSTEMS LTD Signed S. Tuttle  
(Manufacturer) (Representative)

**CERTIFICATE OF SHOP INSPECTION**

Vessel constructed by PROPAK SYSTEMS LTD. at AIRDRIE, ALBERTA, CANADA  
 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 Alberta Boilers Safety Association have inspected the component described in this Manufacturer's Data Report on Feb 14 2000 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 Mar 7/00 Signed [Signature] Commissions ALTA #58  
(Authorized Inspector) (Nat'l Board (incl. endorsements) State, Prov. and No.)

**FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET**  
**As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1**

**CORRECTED  
COPY**

**413372**

1. Manufactured and certified by **PROPAK SYSTEMS LTD., 505 EAST LAKE BOULEVARD, AIRDRIE, ALBERTA, CANADA.**  
(Name and address of Manufacturer)

2. Manufactured for **Paramount Resources Ltd. 400 First Canadian Centre, 350-7th Ave. SW, Calgary, Alberta, T2P 3W5**  
(Name and address of Purchaser)

3. Location of Installation **L.S.D. F36 60° 10 min. North, 123° 15 min. West, N.W.T.**  
(Name and address)

4. Type: **Vertical** **Glycol Contactor** **99417-101**  
(Horiz., vert., or sphere) (Tank separator, heat exch., etc.) (Mfg's serial No.)

**L-5327 213T** **D-CTR-99413-101 R.3** **N/A** **2000**  
(CRN) (Drawing No.) (Nat'l Bd. No.) (Year built)

**Nozzles, Inspection, and Safety Valve Openings:**

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Flange Type	Material		Nozzle Thickness		Reinforcement Material	How Attached		Location (Insp. Open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
PI/TI	2	75"	CPLG	SA-105	N/A	6000#	.062"	Integral	UW16.1(a)	N/A	Shell
LG	2	75"	CPLG	SA-105	N/A	6000#	.062"	Integral	UW16.1(a)	N/A	Shell
LC	1	2"	CPLG	SA-105	N/A	6000#	.062"	Integral	UW16.1(c)	N/A	Shell
LG	2	75"	CPLG	SA-105	N/A	6000#	.062"	Integral	UW16.1(a)	N/A	Shell
Oil Outlet	1	1"	CPLG	SA-105	N/A	6000#	.062"	Integral	UW16.1(a)	N/A	Shell
LC	1	2"	CPLG	SA-105	N/A	6000#	.062"	Integral	UW16.1(c)	N/A	Shell
Glycol Coil	2	1"x.75"	CPLG	SA-105	N/A	6000#	.062"	Integral	UW16.1(c)	N/A	Shell
Inspection	1	2"	CPLG	SA-105	N/A	6000#	.062"	Integral	UW16.1(a)	N/A	Shell
Drain	1	1.5"	CPLG	SA-105	N/A	6000#	.062"	Integral	UW16.1(a)	N/A	Bottom
LV	1	1"	CPLG	SA-105	N/A	6000#	.062"	Integral	UW16.1(c)	N/A	Shell
Inspection	1	1.5"	CPLG	SA-105	N/A	6000#	.062"	Integral	UW16.1(a)	N/A	Shell

**Data Report  
Item Number**

**Remarks**

Glycol Coil - MAWP 1415 psi @ 151°F, Hydrotest @ 2122 psi.  
 Production impact tests performed on long and girth seams per UG84.  
 Impact test shells, heads and repads per UG84, remainder exempt per UG20(1).  
 Corrected to show revised information for items 2, 3 and added CRN provincial designation for N.W.T.

Certificate of Authorization: Type **U** No. **21387** Expires **July 12** **2002**

Date **2000/03/07** Name **PROPAK SYSTEMS LTD** Signed **S. Luthers**  
(Manufacturer) (Representative)

Date **Mar 7/00** Name **[Signature]** Commission **ALTA #58**  
(Authorized Inspector) (Nat'l Board incl. endorsement, state, province and no.)