

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

1 Manufactured and certified by PROPAK SYSTEMS LTD. 505 EAST LAKE BLVD. AIRDRIE, ALBERTA T4B 2C3 CANADA
(Name and address of manufacturer)

2 Manufactured for Progress Energy Ltd. Suite 1400, 440 - 2 Ave. S.W. Calgary, AB T2P 5E9
(Name and address of purchaser)

3 Location of installation Current, B.C., 'SD, B-9-C / 94-A-16
(Name and address)

4 Type Vertical 0J2157-101 P-0820 21 2003
(HORIZ or VERT tank) (Mfg's serial No.) (CRN) (Drawing no.) (Part 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 2001
Year

to 2002 N/A N/A
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6 Shell SA-516-70N 1.0" 0.125" 1' - 10" 20' - 6"
Matl. (Spec. No. Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7 Seams Type 1 Full 1.0 1150°F 1 Hr. Type 1 Full 3
Long. (Welded, Dbl. Singl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp. (°F) Time (hr) Girth (Welded, Dbl. Singl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8 Heads: (a) Matl. SA-516-70N (b) Matl. SA-516-70N
(Spec. No. Grade) (Spec. No. Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Open Radius	Knuckle Radius	Elliptical Ratio	Conical Area Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Concave or Convex)
(a)	Top	0.9579"	0.125"			2:1				Concave
(b)	Bottom	0.9579"	0.125"			2:1				Concave

If removable, bolts used (describe other fastenings)

9 MAWP 1480 psi at max. temp. 100 °F
Min. design metal temp. -20 °F at 1480 psi Hydro. 1924 psi

10 Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. at Base	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
Gas Inlet	1	4" 6009	RFWN	SA-105N / SA-105-B	0.674"	SA-516-70N	LW16.1(c)	Shell
Gas Outlet	1	4" 6009	RFWN	SA-105N / SA-105-B	0.674"	SA-516-70N	LW16.1(c)	Top Head
Inspection	1	2"	CPLG	SA-105N	60009	Integral	LW16.1(a)	Shell
Instrument	3	2"	CPLG	SA-105N	60009	Integral	LW16.1(a)	Shell
Instrument	15	0.75"	CPLG	SA-105N	60009	Integral	LW16.1(a)	Shell
TI	1	0.75"	CPLG	SA-105N	60009	Integral	LW16.1(c)	Shell
Instrument	3	1.5"	CPLG	SA-105N	60009	Integral	LW16.1(a)	Shell

Continued on U-4

11 Supports: Skirt Yes Lugs 2 Legs N/A Other N/A Attached Top, Btm, Heads - 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 the report: _____

(Name of part, item number, Mfg's name and identifying stamp)
Gilvord Connector, Built to Drawing D-CTR-032157-101 Sht. 1/2 Rev. 1, "D-CTR-SWR610-101 Rev 0
Inspect Tanks: No - UG200 1-5, Top & T-710, Capacity = 72,924 cu.ft.
Pressure Relief Devices installed by others prior to operation per UG-125.

CERTIFICATE OF SHOP / FIELD 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-12-2005

Date January-5-2004 Co Name PROPAK SYSTEMS LTD. Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP / FIELD INSPECTION

Vessel constructed by PROPAK SYSTEMS LTD. at 505 EAST LAKE BLVD. AIRDRIE, ALBERTA T4B 2C3 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 Boiler Safety Association have inspected the component described in this Manufacturer's Data Report on JAN 08 2004 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 personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date JAN 08 2004 Signed [Signature] Commissions ASME NB
(Authorized Inspector) (National Board (incl. endorsements) State, Prov. and No.)

