

0433745

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

Form U-1A

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 Rigel Oil & Gas Ltd., 1900, 255-5 Avenue SW, Calgary, Alberta, T2P 3G6, Canada
(Name and address of Purchaser)

3. Location of Installation L.S.D.#04-13-73-11 WGM
(Name and address)

4. Type Vertical 96349-AA M-2893.2 E-CTR-90024-101 Rev.3 N/A 1998
(Horiz. or vert. tank) (Mfr's serial No.) (CRN) (Drawing No.) (Natl. 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 1995
to 1995 N/A N/A (Year)

Addenda (Date) Code Case Nos. Special Service per UG-120 (d)

6. Shell: SA-516-70N 1.0" .062" 1'-11" 28'-6"
(Mat'l. (Spec. No., Grade) Norm. Thk. (in.) Corr. Allow. (in.) Diam. ID (ft. & in.) Length (overall) (ft. & in.)

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

8. Heads: (a) Mat'l. SA-516-70N (b) Mat'l. SA-516-70N
(Spec. No., Grade) (Spec. No., Grade)

Location (Top/Bottom, Ends)	Min. Thickness (mm/in)	Corrosion Allowance (mm/in)	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
a) Top	1.069"	.062"			2:1				Concave
b) Bottom	1.069"	.062"			2:1				Concave

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

9. MAWP 1400 psi at max. temp. 150 °F

Min. design metal temp. -20 °F at 1400 psi. Hydro, Pneu., or Comb. test pressure (Hydro) 2100 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diameter or Size (mm/in)	Type	Material	Nom. Thickness	Reinforcement Material	How Attached	Location
Gas Inlet	1	4"	RFWN	SA-106-B	.674"	SA-516-70N	Welded	Shell
Gas Outlet	1	4"	RFWN	SA-106-B	.674"	SA-516-70N	Welded	Top Head
Inspection	1	2"	CPLG	SA-105	3000#	N/A	Welded	Top Head
Glycol Inlet	1	.75"	CPLG	SA-105	3000#	N/A	Welded	Shell

11. Supports: Skirt Yes Lugs 2 Legs N/A 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 the report: _____
(Name of part, item number, Mfr's. name and identifying stamp)

Volume: 71.12 cu ft
Tag Number: 7-710 -Exempt from impact tests per UG300(f)
Vessel Type: Glycol Condenser -Built to Draw#: D-CTR-96349-101 Rev.2

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, 1999.
Date: 7/8/1997 Co. Name: Propak Systems Ltd. Signed: [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION
Vessel constructed 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/or 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 29 JAN 1998 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: 7/8/1997 Signed: [Signature] Commissions: ALBERTA #85
(Authorized Inspector) (Natl. Board (Incl. endorsements, State, Prov. and No.))