

**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

④ 527 823

1. Manufactured and certified by IPS Manufacturing Limited, LSD: 1-16-40-16-W4M, Alberta Canada (Box 24, Halkirk, AB T0C 1M0)  
 (Name and address of Manufacturer)

2. Manufactured for Devon Canada Corp. 2000, 400 - 3rd Ave. S.W. Calgary AB. T2P 4H5  
 (Name and address of purchaser)

3. Location of installation Goodfish Area (T89-97, R6-11 W5M)  
 (Name and address)

4. Type Vertical Sep. V-3206-001B T0344.2 IPS-16V-740-NEW-REV 0 N/A 2005  
 (Horiz. or vert. tank) (Mfg'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 specification of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conforms to ASME Rules, Section VIII, Division 1 2001  
 Year

to 2003 N/A N/A  
 Addenda (Date) Code Case Nos. Special Service per UG-120(d)

6. Shell: SA-106B 0.844 0.125" 16" OD 7' 6" S/S  
 Matl. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams S N/A 100% 1150°F 85 min Type 1 Full 1  
 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) Material SA-516-70N (b) Material 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	0.65	0.125"	N/A	N/A	2:1	N/A	N/A	N/A	Concave
(b)	Bottom	0.65	0.125"	N/A	N/A	2:1	N/A	N/A	N/A	Concave

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

9. MAWP 740 psi at max. temp 100°F  
 Min. design metal temp. -20°F F at 740 psi Hydro pneu. or comb. test pressure 1110 psi.

10. Nozzels, inspection and safety valve opening:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Material	Nominal Thickness	Reinforcement Materials	How Attached	Location
(N1) Gas Inlet	1	3" 300#	RFWN	SA-105N/SA-106B	0.438"	N/A	Fig. UW-16.1(c)	Shell
(N2) Gas Outlet	1	3" 300#	RFWN	SA-105N/SA-106B	0.438"	N/A	Fig. UW-16.1(c)	Top Head
(N3) HLSD	1	3" 300#	RFWN	SA-105N/SA-106B	0.438"	N/A	Fig. UW-16.1(c)	Shell
(N4) Cond. LC	1	3" 300#	RFWN	SA-105N/SA-106B	0.438"	N/A	Fig. UW-16.1(c)	Shell

11. Supports: Skirt Yes Lugs N/A Legs N/A Other Baseplate Attached Welded to Skirt  
 (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: N/A  
 (Name of part, item number, Mfg's name and identifying stamp)

Capacity: 9.3 Cu. Ft. Continued on U-4 Supplementary Sheet  
 Construction drawing # V-3206-001B Rev.1  
 \*\*Charpy impact testing exempt as per UG-20(f)(1-5), UCS-66(b)(3), UCS-66(b)(1)(b) & UCS-66(b)(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. 31,246, expires August 20, 2005.

Date January 21, 2005 Co. name IPS Manufacturing Limited, LSD: 1-16-40-16-W4M Signed [Signature]  
 (Manufacturer) (Representative)

**CERTIFICATE OF SHOP INSPECTION**

Vessel constructed by IPS Manufacturing Limited, LSD: 1-16-40-16-W4M at Halkirk, Alberta, Canada

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 January 21, 2005, 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 January 21, 2005 Signed [Signature] Commissioned AB# 130AB  
 Authorized Inspector (Natl Board (incl. Endorsements) State, Prov. and No.)

**FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET** ④527823  
**As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1**

1. Manufactured and certified by IPS Manufacturing Limited, LSD: 1-16-40-16-W4M, Alberta Canada (Box 24, Halkirk, AB T0C 1M0)  
(Name and address of Manufacturer)

2. Manufactured for Devon Canada Corp. 2000, 400 - 3rd Ave. S.W. Calgary AB. T2P 4HS  
(Name and address of Purchaser)

3. Location of installation Goodfish Area (T89-97, R6-11 W5M)  
(Name and address)

4. Type: Vertical Separator V-3206-001B  
(horizontal, vertical or sphere) (Tank, separator, heat exh., etc.) (Mfg's serial No.)

T0344.2 IPS-16V-740-NEW-REV 0 N/A 2005  
(CRN) (Drawing No.) (Nat'l. Bd. No.) (Year Built)

Data Report					
Item Number		Remarks			
(N5) WATER LC	1	3" 300# RFWN SA-105N Flange/3" Sch.160 (0.438") SA 106B Pipe	Fig.UW-16.1 (c)	Shell	
(N6) Drain	1	2" 300# RFWN SA-105N Flange/2" Sch.160 (0.344") SA 106B Pipe	Fig.UW-16.1 (c)	Bottom Head	
(N7A) Inspection	1	3" 300# RFWN SA-105N Flange/3" Sch.160 (0.438") SA 106B Pipe	Fig.UW-16.1 (c)	Shell	
(N7B) Inspection	1	3" 300# RFWN SA-105N Flange/3" Sch.160 (0.438") SA 106B Pipe	Fig.UW-16.1 (c)	Shell	
(N8) PSV	1	2" 300# RFWN SA-105N Flange/2" Sch.160 (0.344") SA 106B Pipe	Fig.UW-16.1 (c)	Shell	
(C1) PI	1	1/2" 3000# TOL SA-105N	Fig.UW-16.1 (a)	Shell	
(C2) TI	1	3/4" 3000# TOL SA-105N	Fig.UW-16.1 (a)	Shell	
(C3a/b) COND LG	2	3/4" 3000# TOL SA-105N	Fig.UW-16.1 (a)	Shell	
(C4a/b) WATER LG	2	3/4" 3000# TOL SA-105N	Fig.UW-16.1 (a)	Shell	
(C5) PSV	1	1" 3000# TOL SA-105N	Fig.UW-16.1 (a)	Shell	
(C6) HC Outlet	1	1" 3000# TOL SA-105N	Fig.UW-16.1 (a)	Shell	

Certificate of Authorization: Type U No. 31,246 Expires August 20, 2005

Date January 21, 2005 Name IPS Manufacturing Limited Signed [Signature]  
(Manufacturer) (Representative)

Date January 21, 2005 Name [Signature] Commission AB# 130AB  
(Authorized Inspector) (Nat'l board incl. endorsement, State, Province and No.)