

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

(A) 469424

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

2. Manufactured for Delaney Energy Manufacturing Ltd., LSD 1-16-40-16-W4M, Alberta Canada (Box 24, Halkirk, AB T0C 1M0)
(Name and address of purchaser)

3. Location of installation Resale
(Name and address)

4. Type Horizontal Vessel V-2150 P3006.2 DMV-48H-1440 Rev 0 N/A 2001
(Flow or vent tank) (Capacity) (Drawing No.) (Material) (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 1998
(Date and address of purchaser)

6. Shell, SA-516-70N 2.25" 0.125" 48" ID 16"0" s/s
(Mat. Spec. No. Grade) (Nom. Thk. (in)) (Cor. Allow. (in)) (diam. O.D. (ft & in)) (Special Service per UG-120(d))

7. Seams Type 1 Full 1150°F 135 min Type 1 Full 2
(Long. (Welded Jct. Singl. Lap. Butt)) (HT Temp. (°F)) (Time (hr)) (Girth (Welded Jct. Singl. Lap. Butt)) (RT Spec. 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	Full Diameter	Side to Pressure
(a) Top	2.25"	0.125"	N/A	N/A	2:1	N/A	N/A	N/A	Convex to Concave
(b) Bottom	2.25"	0.125"	N/A	N/A	2:1	N/A	N/A	N/A	Concave

If removable, bolts used (describe other fastenings) SA-193-B7 Studs & SA-194-2H Nuts (Mat. Spec. No., Gr. Size, No.)

9. MAWP 1440 -4°F 1440 100°F 2160
(psi at max. temp) (psi at min. design metal temp) (psi Hydro., pneum., or comb. test pressure)

10. Nozzles, inspection and safety valve opening:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Material	Nominal Thickness	Reinforcement Materials	How Attached	Location
(M1) Manway/Insp	1	18" 600#	RFHB	SA-105N	2.60"	N/R	UW-16.1 (b)	Head
(N2) Inlet	1	8" 600#	RFHB	SA-105N	2.16"	N/R	UW-16.1 (c)	Shell
(N3) Gas Outlet	1	3" 600#	RFHB	SA-105N	2.16"	N/R	UW-16.1 (c)	Shell
(N4) HLSD	1	3" 600#	RFHB	SA-105N	1.24"	N/R	UW-16.1 (c)	Shell

11. Supports: Skirt No Lugs Two Other N/A Attached Welded to Shell
(yes or no) (No) (psi) (psi) (psi) (Where and how)

12. Remarks: Manufacturer's Period Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: N/A
(Name of part, ser. number, tag's name and identifying stamp)

Capacity: 235 Cu. Ft.
Construction drawing # V-2150 Rev. 1 PSV to be installed on piping as per UG-125

**Charpy impact testing is not required as per UG-20(f) 1 - 5 & UCS-66g

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. 31246, expires August 20, 2002
Date Feb 16, 2001 Co. name Delaney Energy Mfg Ltd., LSD: 1-16-40-16-W4M Signed Hughes Kelly (Representative)

CERTIFICATE OF SHOP INSPECTION
Vessel constructed by Delaney Energy Mfg. Ltd., 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 Feb 16, 2001 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 Feb 16, 2001 Signed [Signature] Commissions 03130

Exhibit 8.3 FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET

As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by Delaney Energy Manufacturing Ltd., LSD 1-16-40-16-W4M, Alberta Canada (Box 24, Halkirk, AB T0C 1N)
(Name and address of Manufacturer)
2. Manufactured for Delaney Energy Manufacturing Ltd., LSD, 1-16-40-16-W4M, Alberta Canada (Box 24, Halkirk, AB T0C 1M0)
(Name and address of Purchaser)

3. Location of installation Resale

4. Type: Horizontal Vessel V-2150
(Name and address)
(Tank separator, heat exch. etc.)
P3006.2 DMV-48H-1440 Rev.0 N/A
(CRN) (Drawing No.) (Plant Bldg No.)
2001
(Year Built)

Data Report

Item Number	Remarks
(N5) Spare 1 2" 600# SA-105N RFWN/2" Sch. 160(0.344") SA-106B Pipe	Fig. UW-16.1 (c) Shell
(N6) Cond LC 1 3" 600# SA-105N RFHB (2.90" ID x 1.24" Wall)	Fig. UW-16.1 (c) Shell
(N7) PSV 1 4" 600# SA-105N RFHB (3.83" ID x 1.62" Wall)	Fig. UW-16.1 (c) Shell
(N8) H ₂ O Out 1 2" 600# SA-105N RFWN/2" Sch. 160(0.344") SA-106B Pipe	Fig. UW-16.1 (c) Shell
(N9) HC Out 1 2" 600# SA-105N RFWN/2" Sch. 160(0.344") SA-106B Pipe	Fig. UW-16.1 (c) Shell
(N10) Water Drain 1 2" 600# SA-105N RFWN/2" Sch. 160(0.344") SA-106B Pipe	Fig. UW-16.1 (c) Shell
(N11) HC Drain 1 2" 600# SA-105N RFWN/2" Sch. 160(0.344") SA-106B Pipe	Fig. UW-16.1 (c) Shell
(N12) PI 1 2" 600# SA-105N RFWN/2" Sch. 160(0.344") SA-106B Pipe	Fig. UW-16.1 (c) Shell
(N13) TI 1 2" 600# SA-105N RFWN/2" Sch. 160(0.344") SA-106B Pipe	Fig. UW-16.1 (c) Shell
(N14a) H ₂ O LC Cage 1 2" 600# SA-105N RFWN/2" Sch. 160(0.344") SA-106B Pipe	Fig. UW-16.1 (c) Shell
(N14b) H ₂ O LC Cage 1 2" 600# SA-105N RFWN/2" Sch. 160(0.344") SA-106B Pipe	Fig. UW-16.1 (c) Shell
(N15a) HC LG 1 2" 600# SA-105N RFWN/2" Sch. 160(0.344") SA-106B Pipe	Fig. UW-16.1 (c) Shell
(N15b) HC LG 1 2" 600# SA-105N RFWN/2" Sch. 160(0.344") SA-106B Pipe	Fig. UW-16.1 (c) Shell

Certificate of Authorization: Type U No. 31,246 Expires August 20, 2002

Date Feb. 6, 2001 Name Delaney Energy Mnf'g. Ltd.

Date Feb. 6, 2001 Name [Signature]
(Authorized Inspector)

(Manufacturer)

Signed

Commission

[Signature]
(Representative)

13130

(Not board incl. endorsement,
State, Province and No.)