

FORM U-1A MANUFACTURERS 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

A 530909

1. Manufactured and certified by Orban Industries Ltd. 5550-55th Street S.E. Calgary, Alberta T2C 3G9
(Name and Address of Manufacturer)
2. Manufactured for DAYLIGHT ENERGY LTD. 400, 321-6 AVE. S.W. CALGARY, AB T2P 3H3
(Name and address of purchaser)
3. Location of installation WAPITI 06-22-68-10 W6M
(Name and address)
4. Type HORIZONTAL 05-056-HS L-8645.21 99-181-A REV.3 N/A 2005
(Honz. or vert., tank) (Mfg's serial No.) (CRN) (Drawing No.) (Nat'l Ed. 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
to 2003 N/A N/A
Year

6. Shell SA-516-70N 1.75" 0.0625" 3'-8 1/2" 20'-0"
(Addenda (Date)) (Spec. No., Grade) (Nom. Thk. (in.)) (Code case Nos.) (Special Service per UG-120(d))
7. Seams: TYPE 1 FULL 100% 1150 F 2 HR TYPE 1 FULL 2
(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	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	END	1.69"	0.0625"			2:1				CONCAVE
(b)	END	1.69"	0.0625"			2:1				CONCAVE

If removable, bolts used (describe other fastenings) NA
(Matl., Spec. No., Gr., Size, No.)

9. MAWP 1440 psi at max. temp. 100 F
Min. design metal temp. -20 °F at 1440 psi. Hydro., pneu., or comb. test pressure 1872 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
				SEE ATTACHED	FORM	U-4		

11. Supports: Skirt NO Lugs YES Legs NO Other SADDLES Attached BTM / 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)
VOL. 232.97 CU. FT. (6.60 CU. M.) HORIZONTAL SEPARATOR RADIOGRAPHY AS PER PARA UW-11(a)
SHELL & HEADS SEAM WELDS TO BE IMPACT TESTED@ -20 F AS PER UG-84(i)(1). OTHER COMPONENTS EXEMPT AS PER UG-20(f) 1-5 & UCS-66(b)(1)(a). UCS-66(c), UCS-66(b)(1)(c) & UCS-66 gen.note (e).

MANUFACTURE DRAWING# 05-056-A REV.0 PSV PROVIDED BY CUSTOMER ON PIPING AS PER UG-125(G) (SWEET SERVICE)

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. 32685 expires JULY 11 2007
Date MARCH 30/05 Co. name Orban Industries Ltd. Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by Orban Industries Ltd. at 5550-55th Street S.E. Calgary Alberta T2C 3G9
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 ABSA
have inspected the component described in this Manufacturer's Data Report on MAR 30 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 MAR 30 2005 Signed [Signature] Commissions AB#1453
(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

1. Manufactured and certified by Orban Industries Ltd 5550-55 street SE Calgary AB. T2C 3G9 **④ 5309129**
(Name and address of Manufacturer)

2. Manufactured for DAYLIGHT ENERGY LTD. 400, 321-6 AVE.S.W. CALGARY, AB T2P 3H3
(Name and address of Purchaser)

3. Location of installation WAPITI 06-22-68-10 W6M
(Name and address)

4. Type: HORIZONTAL SEPARATOR 05-056-HS
(Horiz., vert., or sphere) (Tank, separator, heat exh., etc.) (Mfg's. serial No.)

L-8645.21 99-181-A REV.3 N/A 2005
(CRN) (Drawing No.) (Nat'l Bd. No.) (Year Built)

Data Report
 Item Number 10
 Continued from Form U1a

Remarks

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Mat'l	Nom. Thk.	Reinforcement Mat'l	How Attached	Location
INLET	1	6"600#	RFLWN	SA-105N	1.38"	INHERENT	UW-16.1(c)	SHELL
GAS OUTLET	1	6"600#	RFLWN	SA-105N	1.38"	INHERENT	UW-16.1(c)	SHELL
COND. OUTLET	1	3"600#	RF'HB'	SA-105N	1.24"	INHERENT	UW-16.1(c)	SHELL
PSV	1	1 1/2" 600#	RFLWN	SA-105N	0.63"	INHERENT	UW-16.1(c)	SHELL
WATER OUTLET	1	3"600#	RF'HB'	SA-105N	1.24"	INHERENT	UW-16.1(c)	SHELL
LC BRIDLE	2	1 1/2" 3000#	CPLG/ T.O.L.	SA-105N		INHERENT	UW-16.1(c)	SHELL
LSHH	1	2"3000#	CPLG	SA-105N		INHERENT	UW-16.1(c)	SHELL
EQUALIZING LINE	1	1" 6000#	T.O.L.	SA-105N		INHERENT	UW-16.1(a)	SHELL
LG (COND.)	2	1/2"6000#	T.O.L.	SA-105N		INHERENT	UW-16.1(a)	SHELL
TI	1	1/2" 6000#	T.O.L.	SA-105N		INHERENT	UW-16.1(a)	SHELL
PI	1	1/2" 6000#	T.O.L.	SA-105N		INHERENT	UW-16.1(a)	SHELL
LG (WATER)	2	1/2" 6000#	CPLG/ T.O.L.	SA-105N		INHERENT	UW-16.1(c)	SHELL
LC-101 (SLUGGED)	1	2" 3000#	CPLG	SA-105N		INHERENT	UW-16.1(c)	SHELL
MANWAY	1	20" 600#	RF'HB'	SA-105N	2.97"	INHERENT	UW-16.1(c)	END

Certificate of Authorization: Type "U" No. 32685 Expires JULY 11 2007

Date March 30/05 Name Orban Industries Ltd. Signed [Signature]
(Manufacturer) (Representative)

Date MAR 30 2005 Name [Signature] Commission ARB #145B.
(Authorized Inspector) (Nat'l Board incl. Endorsement, State, Province and No.)

(12/91)

This form (E00118) may be obtained from the ASME Order Dept., 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300