

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

0555455

1. Manufactured and certified by SUNWELL INDUSTRIES INC., 5351 - 94th Avenue S.E., Calgary, AB., T2C 4E5
(Name and address of manufacturer)
2. Manufactured for Birchcliff Energy Ltd., 2900 605 - 5th Avenue, S.W. Calgary, Alberta T2P 3H5
(Name and address of purchaser)
3. Location of installation LSD...1-18-71-3 W6M... Bezanson Gas Plant
(Name and address)
4. Type Vertical - Scrubber 06-176 T7097.2 06-176 Rev. 4 n/a 2006
(Horiz. or vert., tank) (Mfr's serial No.) (CRN) (Drawing No.) (Nat'l. 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 2004 Edition
Year
to 2005 n/a n/a
Addenda (Date) Code Case Nos. Special Service per UG-120(d)
6. Shell: SA-516-70N 1.250 in. 0.0625 in. 2 ft. & 9-1/2 in. 10 ft.
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I. D. (ft. & in.) Length (overall) (ft. & in.)
7. Seams: Type 1 Full 100% None n/a Type 1 Full 100% 1
Long. (Welded, Dbl., Sngl., Lap, Butt) R. T. (Spot or Full) Eff. (%) H. T. Temp. (°F) Time (hr) Girth, (Welded, Dbl., Sngl., Lap, Butt) RT [Spot or Full] Eff. (%) 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)	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	1.187 in.	1/16 in.	---	---	2:1 SE	---	---	---	Concave
(b)	Bottom	1.187 in.	1/16 in.	---	---	2:1 SE	---	---	---	Concave

If removable, bolts used (describe other fastenings)

N/A

(Mat'l., Spec. No., Gr., Size, No.)

9. MAWP 1315 --- psi at max. temp. 300 --- °F.
(internal) (external) (internal) (external)
- Min. design metal temp. -20 °F at 1315 psi. Hydro., pneu., or comb. test pressure 1710 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Material	Nom. Thickness	Reinforcement Mat'l.	How Attached	Location
In / Out/Insp	2	4" CL. 600	RFLWN	SA-105N	1.615 in.	Integral	UW-16.1.c	Top Head
Drain	1	2" CL. 600	RFWN	SA-106B / 105N	0.436 in.	Integral	UW-16.1.c	
Con&Water Dump	2	2" CL. 600	RFLWN	SA-105N	0.655 in.	Integral	UW-16.1.c	
LC/Insp/LSL/LSH	5	2"	TOL	SA-105N	CL.6000	Integral	UW-16.1.a	Shell
LG / TI / PI	8	3/4"	TOL	SA-105N	CL.6000	Integral	UW-16.1.a	
PSL / PSH	2	3/4"	TOL	SA-105N	CL.6000	Integral	UW-16.1.a	

11. Supports: Skirt Yes Lugs --- Legs --- Other --- Attached Weld to bottom head
(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: None

(Name of part, item number, Mfr's. name, and identifying stamp)

Volume: 68.8cu.ft. Weight: 8000# Service: Sweet Gas RT1 per UW-11(a) Impact test exempt per UCS66 (a)(b)(c) UG20(f)1thru 5
Pressure relief device to be installed by owner per UG-125 Fabrication Dwg. #06-176 Rev. 8

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. 31,363
expires Sept. 23, 2008

Date June 18, 2006 Co. name SUNWELL INDUSTRIES INC. Signed TH msk
(Manufacturer) (Representative)

CERTIFICATE OF SHOP / FIELD INSPECTION

Vessel constructed by Sunwell Industries Inc. at 5351 - 94th Avenue S.E., Calgary, AB., T2C 4E5
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 A.B.S.A.

have inspected the component described in this Manufacturer's Data Report on June 18/06 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 6/16/06 Signed [Signature] Commissions altas-
(Authorized Inspector) [Nat'l Board (incl. endorsements), State, Prov. and No.]