

**FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS** ④ 573597  
 (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

1. Manufactured and certified by Bilton Welding and Manufacturing Ltd., 5815 - 37th Street, Innisfail, AB T4G 1S8  
(Name and address of manufacturer)
2. Manufactured for Concise Design #300. 736 - 6th Avenue SW Calgary, AB T2P 3T7 Canada  
(Name and address of purchaser)
3. Location of installation Aspect Energy Ltd, Suite 1420 555 4 Ave SW Calgary, AB, T2P3E7 LSD: c-37-F/94-H-3  
(Name and address)
4. Type Horizontal 15624 R8263.21 BWM-T10-04 R1 2010  
(Horiz. or vert. tank) (Mfr.'s serial No.) (CRN) (Drawing No.) (Nat. 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 2007  
Year  
 to 2009  
Addenda (Date)
6. Shell: SA-516-70N 0.375" -0.125" 8' 40' - 0"  
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% 1150 1Hr Type 1 Full 100% 4  
Long. (Welded, Dbl., Singl., Lap, Butt) R.T. (Spot or Full) ER. (W) H.T. Temp. (°F) Time (hr) Grth. (Welded, Dbl., Singl., Lap, Butt) R.T. (Spot or Full) ER. No. of Courses
8. Heads: (a) Mat'l. SA-516-70N (Spec. No., Grade) (b) Mat'l. SA-516-70N (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knockle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	Ends	0.313	0.125"			2:1				Concave
(b)	Ends	0.313	0.125"			2:1				Concave

If removable, bolts used (describe other fastenings) \_\_\_\_\_

9. MAWP 50 N/A 100 psi at max. temp. \_\_\_\_\_ °F  
(Internal) (external) (Internal) (external)
- Min. design metal temp. -20 °F at 50 psi Hydro pneu., or comb. test pressure 75 psi.
10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
N1, N2 - Inlet, Outlet	2	NPS 4	CL 150 RFWN	SA106B/SA106H	0.337"	N/A	UW-16.1(c)	Shell
N4, N6 - H.L.S.D., Level gauge	2	NPS 4	CL 150 RFWN	SA106B/SA106H	0.337"	N/A	UW-16.1(c)	Shell
N5, N9 - Drain, Truck out	2	NPS 3	CL 150 RFWN	SA106B/SA106H	0.300"	N/A	UW-16.1(c)	Shell
M1 - Manway	1	NPS 20	CL 150 RF60	SA106B/SA106H	0.375"	N/A	UW-16.1(c)	Shell

11. Supports: Skirt No 0 0 Saddles Attached Fillet welded to Shell  
(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)

Const. Dwg: D1544-1 R0, Impacts Exempt per UG-20(f)(1-5), RT-1 per UW-11(a), Volume: 2164 ft<sup>3</sup> (61.3 m<sup>3</sup>) See Supplementary

**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. 33,470  
 expires August 15, 2011

Date 12/08/10 Co. name Bilton Welding and Manufacturing Ltd. Signed \_\_\_\_\_  
(Manufacturer) (Manufacturer)

**CERTIFICATE OF SHOP/FIELD INSPECTION**

Vessel constructed by Bilton Welding and Manufacturing Ltd. at 5815 - 37th Street, Innisfail, AB T4G 1S8  
 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 Dec. 8, 2010, 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

**FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET**  
 As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1 (A) 573597

1. Manufactured and certified by Bilton Welding and Manufacturing Ltd., 5815 - 37th Street, Inniestail, AB, T4G 1S8

(Name and address of Manufacturer)

2. Manufactured for Concise Design #300, 736 - 6th Avenue SW Calgary, AB T2P 3T7 Canada

(Name and address of Purchaser)

3. Location of Installation Aspect Energy Ltd, Suite 1420 555 4 Ave SW Calgary, AB, T2P3E7 LSD: C-37-F/94-H-3

(Plant and address)

Horizontal

Storage Tank

(Shape, vert. or horiz)

(Tank, separator, heat exch., etc.)

15624

(Mfg. or serial No.)

R8263.21

BWM-110-04 R1

(CRN)

(Drawing No.)

(Mfg. Bd. No.)

(Year built)

2010

Data Report  
Item Number

Remarks

PURPOSE

No. Diam. or Size Type Matl. Norm. Thk. Reinforcement Matl. How Attached Location

N3A/B - Purge Gas

2 NPS 2 CL 150 RFWN SA106-B/SA105N 0.344" N/A UW-18.1(c) Shell

N7 - Truck Equalization

1 NPS 2 CL 150 RFWN SA106-B/SA105N 0.344" N/A UW-18.1(c) Shell

N8 - PSV

1 NPS 2 CL 150 RFWN SA106-B/SA105N 0.344" N/A UW-18.1(c) Shell

M1: 20" Blind 150 CL SA105N, 20 1 1/8" x 6 1/4" studs SA 193 B7M N.C Thread, 40 1 1/8" NUTS SA 194 ZHM

Certificate of Authorization:

Type

ASME "U" Stamp

No.

33,470

Expires

August 16, 2011

Name

Bilton Welding and Manufacturing Ltd.

(Manufacturer)

Signed

(Representative)

APR 2011