

June 25/09
66153791

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

A 588905

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 Tartan Engineering, #700, 110 - 12th Ave SW, Calgary, AB Canada T2R 0G7
(Name and address of purchaser)

3. Location of installation Husky Oil Operations Limited, 707 - 8th Ave SW, Box 6525 St. D, Calgary, AB T2P 3G7 LSD: 08-23-61-10 W6M
(Name and address)

4. Type Horizontal Knockout 15148 R6405.21 BWM-106-04 R5 2009
(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 2007
Year

to 2008
Addenda (Date)

6. Shell: SA-516-70N 0.375" 0.0625" 6' - 0" 10' - 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% N/A Type 1 Spot 85% 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) R.T. (Spot or Full) Eff. (%) 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	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	End	0.313"	0.0625"	66"	5"					Concave
(b)	End	0.313"	0.0625"	66"	5"					Concave

If removable, bolts used (describe other fastenings)

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

9. MAWP 50 N/A psi at max. temp. 100 °F
(internal) (external)

Min. design metal temp. -20 °F at 50 psi. Hydro. pneu., or comb. test pressure 124 New & Cold (Future = 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 - Gas Inlet	1	NPS 3	Cl. 150 RFWN	SA106B/SA105N	0.300"	N/A	UW-16.1(c)	Shell
N2 - Drain Inlet	1	NPS 4	Cl. 150 RFWN	SA106B/SA105N	0.337"	N/A	UW-16.1(c)	Shell
N3 - Gas Vent	1	NPS 10	Cl. 150 RFWN	SA106B/SA105N	0.365"	N/A	UW-16.1(c)	Shell
M1 - Manway	1	NPS 24	Cl. 150 RFWN	SA106B/SA105N	0.375"	N/A	UW-16.1(c)	Shell

11. Supports: Skirt No Lugs 0 Legs 0 Other Saddles Attached Fillet welded to Shell Wear Pad
(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: C768-1 R1, Impacts Exempt per UG-20(f)(1-5), RT-2 per UW-11(a)(5)(b) per Client Request, PSV on Piping per UG-125
Volume: 337 ft³ (9.6 m³) See Supplementary Manway Bolting: SA-193-B7M, SA-194-2HM, 1 1/4", 20

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 16, 2011

Date May 1, 2009 Co. name Bilton Welding and Manufacturing Ltd. Signed [Signature]
(Manufacturer) (Representative)

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 MAY 1, 2009, 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 MAY 1, 2009 Signed [Signature] Commissions AB# 261
(Authorized Inspector) (Nat'l. Board (incl. endorsements), State, Prov. and No.)

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