

(A) 48593M

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

1. Manufactured and certified by Bilton Welding & Manufacturing Ltd., 5815 - 37th Street, Innisfail, AB T4G 1S8
(Name and address of manufacturer)
2. Manufactured for ConocoPhillips Canada Resources Corp., 401 - 9th Ave SW, Calgary, AB T2P 2H7
(Name and address of purchaser)
3. Location of installation LSD: Vulcan 08 - 24 - 15 - 22 W4M
(Name and address)
4. Type Horizontal Knockout 13156 R5824.2 BWM-097-03 Rev.2 2004
(Horiz. or vert., tank) (Mfg'r's serial No.) (CRN) (Drawing No.) (Inst. 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 2001 Year

6. Shell: 2002 Addenda (Date) 1/8" Code Case Nos. 9' - 0" Special Service per UG-120(d) 35' - 0"
SA-516-70N 0.375" 1/8" 1150 1 Single Butt 4
Matl. (Spec. No., Grade) SA-516-70N 1150 1 Single Butt 4
Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)
7. Seams: Single Butt 1150 1 Single Butt 4
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, No. of Courses or Full)
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) Left | 0.313" | 1/8" | | | 2:1 | | | | CONCAVE |
| (b) Right | 0.313" | 1/8" | | | 2:1 | | | | CONCAVE |

If removable, bolts used (describe other fastenings) 1 1/8" Studs: SA-193-B7M, Nuts: SA-194-2HM (Matl., Spec. No., Gr., Size, No.) 160

9. MAWP 50 psi at max. temp. 75 psi.
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 | Matl. | Nom. Thk. | Reinforcement Matl. | How Attached | Location |
|--------------------------------|-----|---------------|-----------|---------------|-----------|---------------------|--------------|----------|
| N1 - INLET, OUTLET | 2 | 4" | 150# RFWN | SA1088/SA105N | 0.432" | N/A | UW-16.1(c) | SHELL |
| N2 - INLET, OUTLET | 4 | 3" | 150# RFWN | SA1088/SA105N | 0.337" | N/A | UW-16.1(c) | SHELL |
| N3 - LIQUID IN | 1 | 3" | 150# RFWN | SA1088/SA105N | 0.337" | N/A | UW-16.1(c) | HEAD |
| N7A/B - HEAT COIL | 2 | 2" | 150# RFWN | SA1088/SA105N | 0.436" | N/A | UW-16.1(c) | HEAD |

11. Supports: Skirt No 0 Legs 0 Other 0 Saddles Attached SHELL & WELDED
(Yes or no) (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:

CONSTRUCTION DRAWING: A898-1 REV. 0, IMPACTS EXEMPT PER UG-20(f)(1-5)
(Name of part, item number, Mfg'r's name and identifying stamp)
VOLUME: 2442 FT+3 (89 m³), 100% RADIOGRAPHY AS PER UW-11(a) AS PER CLIENT REQUEST

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, 2005
Date 5/2/04 Co. name BILTON WELDING & MANUFACTURING LTD. Signed Ally Woodhead
(Manufacturer) (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION
Vessel constructed by BILTON WELDING & 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 JAN 2/04
have inspected the component described in this Manufacturer's Data Report on JAN 2/04 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 JAN 2/04 Signed Ally Woodhead Commissions AB#984
(Authorized Inspector) (National Board (incl. endorsements), State, Prov. and No.)

(7/01) This form (E00117) may be obtained from the ASME Order Dept., 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.



E00117

(A) 485934

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 Bliton Welding & Manufacturing Ltd., 5815 - 37th Street, Innisfail, AB, T4G 1S8
(Name and address of Manufacturer)
- 2. Manufactured for ConocoPhillips Canada Resources Corp., 401 - 9th Ave SW, Calgary, AB T2P 2H7
(Name and address of Purchaser)
- 3. Location of Installation LSD: Vulcan 08 - 24 - 15 - 22 WAM
(Name and address)
- 4. Type: Horizontal Knockout Drum 13156
(Spec. ref., or code) (Tank, separator, heat exch., etc.) (MFR's serial No.)
R5824.2 BWM-097-03 Rev.2 2004
(CRN) (Drawing No.) (Year built)

Data Report Item Number _____ Remarks _____

| PURPOSE | No. | Diem. of Size | Type | Matl | Nom. Thk. | Reinforcement Matl | How Attached | Location |
|-------------------|-----|---------------|-----------|---------------------|-----------|--------------------|--------------|----------|
| M1 - MANNWAY | 1 | 20" | 150# RFWN | SA-105-N / SA-106-B | 0.375" | SA-51G-70N | UW-16.1(C) | HEAD |
| N8A/B - BRIDLE | 2 | 2" | 150# RFWN | SA-105-N / SA-106-B | 0.344" | N/A | UW-16.1(C) | SHELL |
| N9 - PURGE GAS IN | 1 | 2" | 150# RFWN | SA-105-N / SA-106-B | 0.344" | N/A | UW-16.1(C) | SHELL |
| N11 - PSH | 1 | 2" | 150# RFWN | SA-105-N / SA-106-B | 0.344" | N/A | UW-16.1(C) | SHELL |
| N12 - PIT | 1 | 2" | 150# RFWN | SA-105-N / SA-106-B | 0.344" | N/A | UW-16.1(C) | SHELL |
| N13 - TI | 1 | 2" | 150# RFWN | SA-105-N / SA-106-B | 0.344" | N/A | UW-16.1(C) | SHELL |
| N14-N16 - SPARE | 3 | 2" | 150# RFWN | SA-105-N / SA-106-B | 0.344" | N/A | UW-16.1(C) | SHELL |
| N17 - SPARE | 1 | 6" | 150# RFWN | SA-105-N / SA-106-B | 0.432" | N/A | UW-16.1(C) | SHELL |

Certificate of Authorization: Type ASME "U" Stamp No. 33470 Expires August 16, 2005

Date 01/11/04 Name Bliton Welding & Manufacturing Ltd Signed [Signature] Commission 15 # 96A

Date JAN 21/04 Name [Signature] Commission 15 # 96A

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