

Mfg. 0919

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
 (Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
 As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

265494

1. Manufactured and certified by Onsco Industries Ltd. 2601 Centre Ave. East Calgary, AB T2A 2L1
(Name and address of manufacturer)

2. Manufactured for MLC Oil & Gas Ltd. 450, 715 - 5 Ave. S. E. Calgary, AB T2P 2Y8
(Name and address of purchaser)

3. Location of installation Claresholm LSD 15-36-12-27 W4M
(Name and address)

4. Type Horiz. Separator FH-51-10-1689 K-1303.2 V-90-1689-778 Rev.6 n/a 1990
(Name or cert. tank) (Mfg's serial No.) (ICRN) (Drawing No.) (Nat'l. Std. 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 1989
Year

to Original Edition n/a n/a
Edition (Date) Code Case No. Revised Section per UG 120(d)

6. Shell: SA-516-70 1.500" 0.0625" 2'-0" 17'-9"
(Mat'l. Spec. No., Grade) (Nom. Thk. (in.)) (Cor. Allow. (in.)) (Diam. I.D. (ft. & in.)) (Length (overall) (ft. & in.))

7. Seams: Sngl Butt Weld Full 100% n/a n/a Sngl Butt Weld Full Two (2)
(Long. (Welded, Det., Spig., Lap, Buttl) R.T. (Seam or Fold) (Th. (in.)) (T. Temp. (°F)) (Type (in.)) (Circ. (Welded, Det., Spig., Lap, Buttl) R.T. (Seam, Parallel or Fold) (No. of Courses))

8. Heads: (a) Mat'l. SA-516-70 (b) Mat'l. SA-516-70
(Spec. No., Grade) (Spec. No., Grade)

| | Location (Top Bottom, Ends) | M. - min. Thickness | Corrosion Allowance | Crown Radius | Knuckle Radius | Elliptical Ratio | Conical Apex Angle | Hemispherical Radius | Flat Diameter | Side to Pressure (Convex or Concave) |
|-----|-----------------------------|---------------------|---------------------|--------------|----------------|------------------|--------------------|----------------------|---------------|--------------------------------------|
| (a) | End | 1.479" | 0.0625" | | | 2:1 | | | | Concave |
| (b) | End | 1.479" | 0.0625" | | | 2:1 | | | | Concave |

If removable, bolts used (describe other fastenings) _____
(Ident., Spec. No., Gr., Size, No.)

9. MAWP 1000 psi at max. temp. 100 °F
 Min. design metal temp. 52 °F at 1000 psi. Hydro. pneu., or comb. test pressure 1500 psi.

10. Nozzles, inspection and safety valve openings: See attached form U-4

| Purpose (Inlet, Outlet, Drain) | No. | Diam. or Size | Type | Mat'l. | Nom. Thk. | Reinforcement Mat'l. | How Attached | Location |
|--------------------------------|-----|---------------|------|--------|-----------|----------------------|--------------|----------|
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

11. Supports: Skirt No Lugs (No.) Legs (No.) Other Saddles, Two (2) Attached Underside Welded
(Yes or no) (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)

1205mm Horizontal Separator Volume = 5.57m³
MMMT = 520F, Exempt from impact testing as per UCS-66(a)

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. 21356 expires July 21, 1992
 Date July 24/90 Co. name Onsco Industries Ltd. signed _____
(Manufacturer) (Inspector)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by Onsco Industries Ltd. at 2601 Centre Avenue East
 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 Alberta Labour
 have inspected the component described in this Manufacturer's Data Report on July 24, 1990, 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 July 24 Signed _____ Commissions Alberta
(Inspected Inspector) (Nat'l. Board (incl. endorsement), 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

(A) 26-444

1. Manufactured and certified by Opcco Industries Ltd. 2601 Centre Avenue East Calgary, AB T2A 2L1
(Name and address of manufacturer)
2. Manufactured for MLC Oil & Gas Ltd. 450, 715 - 5 Avenue S. W. Calgary, AB T2P 2X8
(Name and address of purchaser)
3. Location of installation Claresholm LSD 15-36-12-27 W4M
(Name and address)
4. Type Horiz. Separator FH-51-10-1689 K-1303.2 V-90-1689-778 Rev. 6 n/a 1990
(Model, size, type, etc.) (Date of manufacture) (ICBN) (ID-No.) (Material Spec No.) (Year built)

| Data Report Item Number | Remarks | | | | | | |
|-------------------------|------------|-------|-----------|--------|--------------------|-----------|--------|
| N1 - Inlet | 6" NPS | 600# | SA-106-B | 0.864" | 11"OD x 1/2" THK | SA-516-70 | Welded |
| N2 - Outlet | 6" NPS | " | " | " | " | " | " |
| N3 - HC Outlet | 2" NPS | " | " | 0.343" | n/a | " | " |
| N4 - Bridle HC | 2" NPS | " | " | " | " | " | " |
| N5 - Recycle | 2" NPS | " | " | " | " | " | " |
| M6 - Manway | 18" OD | " | SA-516-70 | 1.000" | 28"OD x 1 1/2" THK | SA-516-70 | " |
| C7 - H2O Outlet | 1" NPT | 6000# | SA-105 | CPLG | | n/a | " |
| C8 - H2O LC | 1 1/2" NPT | " | " | " | " | " | " |
| C9 - H2O LC | 1 1/2" NPT | " | " | " | " | " | " |
| C10 - TI | 3/4" NPT | " | " | " | " | " | " |
| C11 - PI | 1/2" NPT | " | " | " | " | " | " |
| C12 - PSV | 1 1/2" NPT | " | " | " | " | " | " |
| D13 - Drain | 1" NPT | " | " | " | " | " | " |
| N14 - Bridle HC | 2" NPS | 600# | SA-106-B | 0.343" | " | " | " |
| E15 - Bypass | 1" NPT | 3000# | SA-105 | EOL | " | " | " |

Date July 24/90 Co. name Opcco Industries Ltd. Signed [Signature]
(Date) (Manufacturer) (Representative)

Date 1990/7/24 Signed [Signature] Commissions Alberta
(Date) (Manufacturer) (Province)

(12/82)