

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

A 225408

1. Manufactured and certified by ALCO GAS & OIL PROD. EQUIP. LTD. Box 1853 Edmonton, Alberta T6C 4G3
 (Name and address of manufacturer)

2. Manufactured for UNION OIL COMPANY 335 - 8 Avenue SW Calgary, Alberta
 (Name and address)

3. Location of installation Milligan Creek C-52-G
 (Name and address of purchaser)

4. Type Horizontal (Name and address)
85C-3422-01 (CRN) F-5480.21 A-9381 (Mat'l Id. No.) 1985 (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.

10. Summer - 85 (Name and address)
 (Name and address of purchaser)

6. Shell: SA-516-70 (Mat'l. Spec. No., Grade) .750(19mm) (Nom. Thk. (in.)) 1/16"(1.58mm) (Corr. Allow. (in.)) 144"OD(3657mm) (O.D. (ft. & in.)) 24'0"(7315mm) (SLS) (Length (overall) (ft. & in.))

7. Seams: Welded - DBL Full (Long. (Welded, Dbl., Spd. Lap, Butt)) Full (R.T. (Spot or Full)) 100 (Eff. (%)) 150 (Time (hr)) Welded-Butt (Type) Full (No. of Courses at Full)

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

Location (Top Bottom, Ends)	Minimum Thickness	Corro. Allowance	Crown Radius	Knockout Radius	Elliptical Ratio	Conical Apex Angle	Geometrical Radius	Flat Diameter	Side to Pressure (ft., inches or Centi-meters)
(a) End	(1.602mm)	(1.198mm)			2-1				Concave
(b) End	(1.602mm)	(1.198mm)			2-1				Concave

If removable, bolts used (describe other fastenings)

9. MAWP 125 (psi at max. temp.) 150 (psi) 188 (psi)
 Min. temp. (when less than -20°F) _____ °F. Hydro, pneu., or comb. test pressure _____

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. at Site	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Condition
Fluid In	1	12"RFWN	150#	SA-105	SCH-80		Welded	Head
Water Out	1	12"RFWN	150#	SA-105	SCH-100		Welded	Shell
Gas Out	1	8"RFWN	150#	SA-105	SCH-160		Welded	Shell
Oil Out	1	4"RFWN	150#	SA-105	SCH-XXS		Welded	Shell

11. Supports: Skirt _____ (Yes or No) Legs Yes (No) Other Attached Welded to Bottom Head (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:

Free Water Knockout Capacity 90.6 cum
D.P. 861 KPA @ 66°D Hydrostatic Test 1296 KPA

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. 14,259 expires Oct. 24, 1986.
 Date Dec. 12/85 Co. name ALCO Gas & Oil Prod. Equip. Ltd signed [Signature] (Inspector)

Vessel constructed by Alco Gas & Oil Prod. Equip. Ltd. at Edmonton
 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 _____

and employed by Province of Alberta
 have inspected the component described in this Manufacturer's Data Report on _____, 19 85, 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 24/86 Signed [Signature] (Authorized Inspector) _____ Commissions _____ (Mat'l Board/Inspr. Endorsement, State, Prov. and No.)

