

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS (A) 2913360
(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

- Manufactured and certified by Opsco Industries Ltd., 2601 Centre Ave. E, Calgary AB
(Name and address of manufacturer)
- Manufactured for Tarragon Oil & Gas Ltd., 710, 455 - 4th Ave. SW, Calgary AB
(Name and address of purchaser)
- Location of installation Queenstown Gas Well LSD # **--**--18-21 W4M
(Name and address of purchaser)
- Type Vert. Separator V-2006D (Manufacturer's serial No.) MI407.2 (Drawing No.) V-93-2006-1036 R1 n/a 1993
(Name and address of manufacturer)

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 1992

- to 1992 n/a n/a
6. Shell: SA-333-6 1.031" 0.0625" 1'-1.94" 5'-0"
7. Seams: n/a n/a 100% n/a n/a n/a *Spot
8. Heads: (a) Matl. SA-516-70N (b) Matl. SA-516-70N

Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flare Diameter	Side to Pressure (Convex or Concave)
(a) Top	.943	0.0625			2:1				Concave
(b) BTM	.939	0.0625			2:1				Concave

if removable, bolts used (describe other fastenings)

9. MAWP 1480 psi at max. temp. 100 °F
- Min. design metal temp. -20 °F at 1480 psi. Hydro. test pressure 2220 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Reinforcement Matl.	How Attached	Location
Inlet/Outlet	2	2"	RFWN	SA-106B	Integral	Welded	
Water IC	1	2"	TOI	SA-105	Integral	Welded	

11. Supports: Skirt Yes Legs Other Attached Btm Head/Welded

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report:

Exempt from impact testing as per UCS-66
*Spot X-Ray as per UW11a5b CRN Dwg No: V-93-1989-1009 R.1
Volume: 6.15 Cu. Ft. Tag No: V-100

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. 21,356 signed July 21, 1995.
Date Jan 10/94 Co. name Opsco '92 Industries Ltd. signed

Vessel constructed by Opsco '92 Industries Ltd. at Calgary, Alberta
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, Boiler & Pressure Vessel Safety
have inspected the component described in this Manufacturer's Data Report on Jan 10, 1994, 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 94-01-10 Signed [Signature] Authorized Inspector
Comments Alberta 55(R)
(Not to be used for endorsement, Sign, Print, and No.)

1. (A) 2913360

Opsco Industries Ltd., 2601 Centre Ave. East, Calgary AB

(name and address --, manufacturer)

Tarragon Oil & Gas Ltd., 710, 455 - 4th Ave., SW, Calgary AB

(name and address of purchaser)

LSD # **--**--18-21 W4M

Separator

(horiz., vert., or sphere)

V-93-2006-1036.R.1

ML407.2

(CBA)

(drawing no.)

(Natl. Bd. no.)

1993

(year built)

Data Report

Item Number

Remarks

[illegible]

Certificate of Authorization:

Type I

U

21,356

Expires

July 21

56

Date	Name
Jan 10/94	

Source

Opesco Industries Ltd.

Signed

094-01-10

Manufacturers

Name _____ (Manufacturer)
Authorized Inspector _____

Commission

Alberta / 55 (R)

(Natl. Board Incl. endorsement, state, province and no