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SCANNED

FORM U-1. MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS  
(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only) **A 2813893**  
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by LARSEN & D'AMICO MFG. LTD. 9805-51 Avenue Edmonton, AB T6E 4W8  
(Name and address of manufacturer)

2. Manufactured for RESMAN OIL & GAS LTD. 4266-91 street Edmonton AB T6E 5V2 Marion LK  
(Name and address of purchaser)

3. Location of installation 6-36-37-18-W4M MLV-3 16-25-37-18W4  
(Name and address)

4. Type vertical VS-6711 K8258.2 LD-2867A 1992  
(Name of vessel) (Mfg's serial No.) (CRMI) (Drawing No.) (Yr. 1 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 1992  
Year

6. Shell: Addenda (Date) SA-516-70 ( 12.7 mm ) ( Cor's Corr. Nos. - BB ) ( 610 mm ) Special Service per UG 120(d)  
.5" 24" OD 3010 (9'-10 1/2")

7. Seams: single butt spot 85 n/r n/r single butt spot one  
Map. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

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

| Location (Top, Bottom, Ends) | Minimum thickness (mm) | Corrosion allowance (mm) | Crown Radius | Knuckle Radius | Elliptical Ratio | Conical Apex Angle | Hemispherical Radius | Flat Diameter | Side to Pressure (Convex or Concave) |
|------------------------------|------------------------|--------------------------|--------------|----------------|------------------|--------------------|----------------------|---------------|--------------------------------------|
| (a) top                      | .437 (11.1)            | n.r.                     | -            |                | S:E              |                    |                      |               | concave                              |
| (b) bottom                   | .437 (11.1)            | n.r.                     | -            |                | S:E              |                    |                      |               | concave                              |

If removable, bolts used (describe other fastenings) \_\_\_\_\_  
(Matl., Spec. No., Gr., Size, No.)

9. MAWP ( 3447 KPa ) 500 psi at max. temp. ( 38 °C ) 100 °F  
Min. design metal temp. ( -29 °C ) -20 °F at 500 psi. Hydro. pneu. or comb. test pressure ( 5171 KPa ) 750 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 |
|--------------------------------|-----|---------------|------------------|-------|-----------|---------------------|--------------|----------|
|                                |     |               | see attached U-4 |       |           |                     |              |          |

11. Supports: Skirt yes Lugs \_\_\_\_\_ Legs \_\_\_\_\_ Other \_\_\_\_\_ Attached welded - head  
(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: IMPACT TESTS EXEMPT : PARA UG-20-F  
(Name of part, item number, Mfg's. name and identifying stamp)

TYPE: vertical separator W.O.# 3159 ITEM # VS-2  
CAPACITY: 22.8 CU. FT. ( 0.6 CU. METER ) WEIGHT: 2000 LBS ( 909 KG )  
HYDROTEST POSITION: horizontal

**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. 14254 expires Oct 28 1995  
Date 17 Dec 92 Co. name LARSEN & D'AMICO MFG. LTD. Signed W.C. Smith  
(Manufacturer) (Representative)

**CERTIFICATE OF SHOP INSPECTION**

Vessel constructed by LARSEN & D'AMICO MFG. LTD. at 9805-51 Avenue Edmonton, AB  
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 Boiler & Pressure Vessel Safety  
have inspected the component described in this Manufacturer's Data Report on Dec 17, 19 92, 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 Dec 17/92 Signed [Signature] Commissions Alberta  
(Authorized Inspector) (Not' Board (incl. endorsements), State, Prov. and No.)

