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

A175732  
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1. Manufactured by LARSEN & D'ANICO MFG. LTD. 9805-51 Avenue Edmonton, Alberta T6E 4W8  
2. Manufactured for SULPETRO LIMITED c/o Grant Phipps Tsutsumi #300522-11th Ave. S.W. Calgary, Alberta  
3. Location of Installation 10-y-68-7 W6M  
4. Type vert (Mfg's Serial No.) VS2150 (CRN) 09824.2 (Drawing No.) LO838A (Year Built) 1981  
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 1990 and Addenda to June 1981 and Code Case Nos. \_\_\_\_\_  
Special Service per UG-120(d) \_\_\_\_\_  
Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report:

6. Shell: Matl. SA-106-B Nom. 21.4 in. Corr. 1.6 in. ( 324 ) ( 2286 )  
(Spec. No., Grade) (Thk.) (in. Allow.) (Diam.) (in. Lgth.) (ft. in.)  
7. Seams: Long. (Welded, Obl. Sngl. Lap. Butt) R.T. (Spot or Full) Efficiency 100 % H.T. Temp. \_\_\_\_\_ F. Timr \_\_\_\_\_ hr  
Girth welded single butt with back up bar (Welded, Obl. Sngl. Lap. Butt) R.T. full (Spot, Partial or Full) No. of Courses 1  
8. Heads: (a) Material SA-516-70 (Spec. No., Grade) (b) Material SA-516-70 (Spec. No., Grade)

Location (Top, Bottom, Ends)	Min. Thk.	Corr. Allow.	Crown Radius	Knuckle Radius	Ellipse Ratio	Conical Apex Angle	Hemisp. Radius	Flat Diam.	Side to Pressure (Convex or Concave)
(a) TOP	.6875	.0625			2:1				CONCAVE
(b) BOTTOM	.6875	.0625			2:1				CONCAVE

If removable, bolts used (describe other fastenings) 9653 KPa (Material, Spec. No., Gr., Size, No.) ( 66 )  
9. Constructed for max. allowable working pressure 1400 psi at max. temp. 150 F. Min. temp. (when less than -20 F) \_\_\_\_\_ F. Hydrostatic, pneumatic, or combination test pressure 2100 psi. ( 14480 ) KPa

10. Safety Valve Outlets: Number 1 Size 3/4" Location \_\_\_\_\_ in shell  
11. Nozzles and Inspection Openings: ( 27 )

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
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12. Supports: Skirt yes Lugs \_\_\_\_\_ Legs \_\_\_\_\_ Other \_\_\_\_\_ Attached bottom head welded  
(Yes or no) (No.) (No.) (Describe) (Where and how)  
13. Remarks: TYPE: 3 phase vertical separator ITEM# VS  
CAPACITY: 6.4 cu. ft. (0.18m<sup>3</sup>)  
WEIGHT: 1030 lbs (468 Kg)  
ULTIMATE OWNER: SULPETRO LIMITED

CERTIFICATE OF 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.  
Date Nov 20/81 Signed LARSEN & D'ANICO MFG. LTD. by DOUG HOYLE  
(Manufacturer) (Representative)  
"U" Certificate of Authorization No. 14254 expires October 26, 19 83

CERTIFICATE OF SHOP INSPECTION  
Vessel made by LARSEN & D'ANICO MFG. LTD. at 9805-51 Avenue Edmonton, 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 BOILERS BRANCH have inspected the pressure vessel described in this Manufacturers' Data Report on NOV 23 19 81, 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 the Manufacturers' 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.  
Signed [Signature] Date NOV 23 Commissions \_\_\_\_\_  
(Inspector) (1981) (Nat'l Board, State, Province and No.)

11-20-68-9

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