

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURIZED 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

1. Manufactured and certified by **ABAY ENERGY SERVICES LTD., 5929-6th Street N.E., Calgary T2K 5R5**
(Name and address of manufacturer)

2. Manufactured for **TOTAL PETROLEUM CANADA LTD. 639-5th Avenue S.W., Calgary, Alta**
(Name and address of purchaser)

3. Location of installation **LSD 6-34-72-R WGM**
(Name and address)

4. Type **VERT. TANK** **1581-V400B** **P-6669.2** **1581B501** **2/86**
(Name of unit, unit) (Mfg. Number) (CPN) (Drawing No.) (Plant 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 **1983**
(Year)

10. **WINTER 84**
(Address Client)

6. Shell: **SA-516-70** **1.125"** **1.125"** **2'** **7' - 6"**
(Mat. Spec. No., Grade) (Nom. Dia. (in.)) (Cor. Radius (in.)) (Diam. (2 Ft. Dia.)) (Length (Nom. Dia.))

7. Seams: **DBL BUTT** **100** **1150** **70m/in.** **DBL BUTT** **FULL** **1**
(Long. Welded, In.) (R.T. Spec. or Full) (EP. No.) (H.T. Temp. (F)) (Tensile) (Cor. Thickness, In.) (Cor. (in.)) (H.T. Spec. or Full) (No. of Surveys)

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

Location (Feet)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knurle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Stress to Pressure (Customer or Contractor)
1A) TOP	25.73mm	3.2mm	---	---	2:1	---	---	---	CONCAVE
2A) BOTTOM	1.013"	.125"	---	---	2:1	---	---	---	CONCAVE

If removable, bolts used (describe other fastenings) _____ (Mat. Spec. No., G. Spec. No.)

9. MAWP **9488 KPA** **1376** **82°C** **180**
(psi at max. temp.) (°C Hydro., steam, or comb. temp. pressure) (bar) (temp. (°C))

10. Nozzle, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Dia.	Manufacturing Matl.	How Attached	Location
HUSD	1	168mm	RFWN	SA-106-B	14.2mm	SA-516-70	WELDED	SHELL
		6"			.562"			
INLET	2	88.9mm	RFWN	SA-106-B	11.1mm	SA-516-70	WELDED	SHELL
		3"			.438"			

11. Supports: SKRT **YES** **NO** **NO** **BASE RING** **Attached** **WELDED TO BTM HEAD**
(Yes or no) (Yes) (No) (Drawn) (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 person, company name and controlling interest)

VOLUME: **0.62 M³**

3 PHASE VERTICAL SEPARATOR

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. 14941, exp. Dec 28, 1987.

Date Feb 12/86 Co. name ABAX ENERGY SERVICES LTD. Signed R. H. Schuyler
(Manufacturer)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by ABAX ENERGY SERVICES LTD. of CALGARY
 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 LABOUR
 have inspected the component described in this Manufacturer's Data Report on Feb 13, 1986, 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 Manu-
 facturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage
 or loss of any kind arising from or connected with this inspection.
 Date Feb 22 1986 Signed [Signature] _____ Commission # _____
 (See Board Inspectors' List, Page No. 1)

This form (E00117) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017