

923104A

**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

- Manufactured and certified by ABAX ENERGY SERVICES LTD. 5929-6th STREET N.E., CALGARY ALTA T2K 5R5  
(Name and address of manufacturer)
- Manufactured for SILVERTON RESOURCES LTD. 1600, 101-6th Ave., S.W., CALGARY, ALTA  
(Name and address of purchaser)
- Location of installation HAYS BATTERY LSD 2-19-13-14 W4M  
(Name and address)
- Type HORIZONTAL TANK 9025 F-1447.2 1399B501 2/86  
(Manufacturer's Item No.) (Drawing No.) (Year Built)
- 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
- Shell: SA-516-70 6.4mm 1829 mm 6090 mm  
Min. Thickness (in.) (Nom. Thk. (in.)) (Nom. I.D. (ft. & in.)) (Spec. No., Grade)
- Seams: DBL BUTT WELDED SPOT 35 DBL BUTT WELDED SPOT 2  
Long. (Welded, DBL, Spig., Lap, Butt) R.T. (Spot or Full) E.N. (N) H.T. Temp. (F) Time (hr) (Welded, DBL, Spig., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses
- Heads: (a) Matl. SA-516-70 (b) Matl. SA-516-70  
(Spec. No., Grade) (Spec. No., Grade)

Location (Top Bottom Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a) END	6.4 mm	1.6mm			2:1				CONCAVE
(b) END	.250"	.062"			2:1				CONCAVE

If removable, bolts used (describe other fastenings) \_\_\_\_\_

- MAWP 345 KPA 50 psi at max. temp. 93.30C 200 °F  
Min. temp. (when less than -20°F) °F. Hydro., pneu., or comb. test pressure 518 KPA 75 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
INLET	1	88.9	RFWN	SA-106-B	7.6mm	NONE	WELDED	SHELL
WATER OUT	2	3"	RFWN	SA-106-B	.300"	NONE	WELDED	SHELL
MANWAY	1	457.2mm	FF	SA-106-B	9.5mm	SA-516-70	WELDED	HEAD
	1	18"	FF	SA-106-B	.375"	SA-516-70	WELDED	HEAD

- Supports: Skirt NO Lugs 2 Legs 2 Other SADDLE REPAD Attached WELDED TO SHELL  
(Type or no) (No) (No) (Describe) (Where and how)

12. Remarks: Manufacturer's Previous Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: \_\_\_\_\_  
(Name of part, item number, W.P.'s, name and identifying stamp)

VOLUME: 16.2 m<sup>3</sup>

OIL TREAUSER

**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 expires Dec 28 19 87  
 Date Feb. 18/86 Co. name ABAX ENERGY SERVICES LTD. Signed Robert H. Selby  
(Manufacturer) (Manufacturer)

**CERTIFICATE OF SHOP INSPECTION**

Vessel constructed by ABAX ENERGY SERVICES LTD. at 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 LAKOUR  
 have inspected the component described in this Manufacturer's Data Report on 18 FEBRUARY, 19 86, 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 Feb-18-1986 Signed: [Signature]  
(Inspector) (Inspector)