

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS

(Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

Form U-1-A

01

1. Manufactured and certified by **ENERFLEX SYSTEMS LTD.** Production and Processing 2103 - 8 ST., Nisku, Ab, CANADA T9E 7Z1
(Name and address of manufacturer)
2. Manufactured for **DEVON ENERGY 324 - 8TH AVENUE S.W. CALGARY ALBERTA T9E 7Z1**
(Name and address of purchaser)
3. Location of installation **GUNDERSON LSD 10-12-63 W6M**
(Name and address)
4. Type **VERTICAL**
(Horiz. or vert. tank)
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
Addenda (Date) **2003**
Code Case Nos. **B6902-22** (Mfr's serial No.)
Special Service per UG-120 (d) **R-2167.2** (CRN)
Drawing No. **B6902-272 REV. 1**
(Nat'l. Bd. No.) (Year Built)

6. Shell: **SA516-70N** (Matl. (Spec. No., Grade))
7. Seams: **TYPE 1** (Long. (Welded, Dbl., Sngl., Lap, Butt))
8. Heads: (a) Matl. **SA516-70N** (Spec. No., Grade)
(b) Matl. **SA516-70N** (Spec. No., Grade)
Location (Top, Bottom, Ends) Minimum Thickness **3.18"** Corrosion Allowance **.125"** Crown Radius **---** Knuckle Radius **---** Elliptical Ratio **2:1** Conical Apex Angle **---** Hemispherical Radius **---** Flat Diameter **---** Side to Pressure (Convex or Concave) **CONCAVE**
If removable, bolts used (describe other fastenings)

9. MAWP **1440** psi at max. temp. **650** (Matl., Spec. No., Gr., Size, No.)
Min. design metal temp. **-50** °F at **1440** psi. Hydro., Pneu., or Comb. test pressure **1991** 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
OUTLET 1 8" 900# RTJWN SA350LF2 2.093" --- UW16.1C HEAD
INLET 1 20" 900# RTJV1 SA350LF2 3.88" --- UW16.1C HEAD
MANWAY 1 20" 900# RTJV1 SA350LF2 3.88" --- UW16.1C SHELL
INSPECTION 1 6" 900# RTJHB SA350LF2 2.47" --- UW16.1C SHELL
SEE U4 FORM

Supports: Skirt **YES** (Yes or no) Lugs **---** (No.) Legs **---** (No.) Other **---** (Describe) Attached **BOTTOM HEAD, WELDED** (Where and how)
Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items
of the report:

OPTION TOWER (V-1060)
& HEADS IMPACT TESTED PER UG-84. ALL OTHER COMPONENTS EXEMPT PER UCS-66(a), UCS-66(b) UCS-66(c) & FIG. UCS-66 NOTE (e).
VESSEL OVER PRESSURE PROTECTION TO BE PROVIDED IN PIPING.

CERTIFICATE OF SHOP/FIELD COMPLIANCE
I 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. 16081
s SEPTEMBER 26, 2004.

CERTIFICATE OF SHOP/FIELD INSPECTION
Co. name **ENERFLEX SYSTEMS LTD.** (Manufacturer)
SIGNED **[Signature]** (Representative)
constructed by **ENERFLEX SYSTEMS LTD.** at **NISKU, ALBERTA**
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, for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Signed **[Signature]** (Authorized Inspector) Commissions **AB#132**
Nat'l. Board (Incl. endorsements, State, Prov. and No.)
2003-03-05

