

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

(A) 2955267

1. Manufactured and certified by PROCESS INDUSTRIES INC. 803-24 Ave S.E., CALGARY, ALTA T2G 1P5
 (Name and address of manufacturer)

2. Manufactured for Blue Range Resources Corp. 905-706-7 Ave S.W. CALGARY, ALTA.
 (Name and address of purchaser)

3. Location of installation L.S.D. 16-11-80-13-W6M
 (City, State and address)

4. Type Horizontal (Drawing No.) 93-C2697-3000 M3213.2 (Year Made) 1994
 (Part No.) N/A

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.

10. A'92 Special Service per UG 120(d)
 Code Case No. SA-516-70N (1.5" (38.1)-062(1.6) 5'9" (1753) 20'0" (6096)
 Addenda (Date) SA-516-70N (Year Made) 1994
 Min. design metal temp. (-9°C) 15 °F at 700 psi. Hydro. pne. or comb test pressure (240 Kpa) 1050 psi.
 Length (overall) (ft. & in.)

6. Shell: SA-516-70N (Spec No. Grade) SA-516-70N (Spec No. Grade)
 Min. Thickness 1.5" (38.1) (1.6) 5'9" (1753) (1753)
 Cor. Allow. (in.) 0.062" (1.6) (1.6)
 Dia. I.D. (ft. & in.) 20'0" (6096) (6096)
 Length (overall) (ft. & in.)

7. Seams: DBL. Butt Full SA-516-70N (Spec No. Grade) SA-516-70N (Spec No. Grade)
 Long. (Spot or Full) SA-516-70N (Spec No. Grade) SA-516-70N (Spec No. Grade)
 Short. (Spot or Full) SA-516-70N (Spec No. Grade) SA-516-70N (Spec No. Grade)
 H.T. Temp. (F) 1100(593°C) 1 1/2 DBL. Butt Full 2
 H.T. Temp. (C) 593 (593) DBL. Butt Full 2
 R.T. (Spot or Full) SA-516-70N (Spec No. Grade) SA-516-70N (Spec No. Grade)
 R.T. (Spot or Full) SA-516-70N (Spec No. Grade) SA-516-70N (Spec No. Grade)

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

Location (Top Bottom Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knurle Radius	Elliptical Ratio	Circular Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a) Ends	1-7/16" (1.6)	.062"			2:1				Concave
(b) Ends	(43-61) (1.6)				2:1				Concave

9. MAWP (4826 Kpa) 700 psi at max. temp. (49°C) 120 °F
 Min. design metal temp. (-9°C) 15 °F at 700 psi. Hydro. pne. or comb test pressure (240 Kpa) 1050 psi.
 Nozzles, inspection and safety valve openings:

Purpose (Inlet Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Thk.	Reinforcement Matl.	How Attached	Location
Boot/Manway	1	20"	RFBWN	SA-105N	3.00"	SA-516-70	Welded	Shell
Inlet/Outlet	2	8"	RFLWN	SA-105N		Integral	Welded	Shell
Water Out	1	2"	RFLWN	SA-105		Integral	Welded	Manway B
L.C.C.	1	2"	RFLWN	SA-105		Integral	Welded	Manway Shell
11. Supports: Skirt	NC	Legs	2	Legs	NIL	Saddles-2	Attached	Ends, shell-welded

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: N/A
 (Name of part, item number, MFR's name and identifying name)

VOLUME: 528 cu.ft. (16.66m³)
Impact test exemption per UCS-66

VESSEL TYPE: 3 phase horizontal separator. See attached U4 form.

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. 24,898 expires June 25, 1996.
 Date April 21/94 Co. name Process Industries Inc (Manufacturer) Signed W. P. Young (Inspector)

Vessel constructed by Process Industries Inc. at Calgary, Alberta Canada
 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 Alberta Labour-Boiler & Pressure Vessel Safety
 have inspected the component described in this Manufacturer's Data Report on April 21, 1994, 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 April 21, 94 Signed [Signature] (Authorized Inspector) Alberta #11 (State, Prov. and No.)
 Commissions Alberta #11 (Part No.)

