

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

(Alternative Form for Single Chamber, Completely Shop Fabricated - Vessel Only)

As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by **Flo-Skid Manufacturing Inc. 6725-36 Avenue S.E. Calgary, Alberta T6E 5C5**

2. Manufactured for **Crestar Energy 30th Floor 333-7th Avenue S.W. Calgary Alberta T2P 2Z1**

3. Location of installation:

(Name and address of purchaser)

STOCK

4. Type **Vertical** (Horizontal or vert. tank) **F-2085** (Mfg's serial No.) **K-9589.23** (CRN) **#658-F-1626** (Drawing No.) **N/A** (Part) Btl **1998** (Year)

5. The chemical and physical properties of all parts meet the requirements of material specification of the ASME BOILER AND PRESSURE VESSELS CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 **1995** (Year)

to **1996** (Year) **N/A** (Name and address)

6. Shear: **SA-516-70N** Addenda (date) **1.125"** Code Case No. **0.0625"** Special service per UG-120(d) **21.75"** Length (overall) **8'-0"**

7. Seams: **Type 1** Mat'l (Spec. No., Grade) **FULL** **100%** Nominal Thk **N/A** Corr. Allow. **N/A** Diameter (I.D.) **Type 1** **SPOT *** **1** Long (Weld Dbl) **RT (Spot or Full)** Time (hr) **N/A** Girth (Welded) **SA-516-70N** No of Courses

8. Heads: (a) **SA-516-70N** (Spec. No. Grade) (b) **SA-516-70N** (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 (Conc/C
(a) Top	1.082"	0.0625"	-	-	2:1	-	-	-	Conc
(b) Bottom	1.067"	0.0625"	-	-	2:1	-	-	-	Conc

if removable, bolts used (describe other fasteners)

9. MAWP: **1440** (Material Specification No. Gr. Size, No.) **N/A** Min. Des. Met. Temp. **-20** °F at **1440** psi Hydro, pneu, or comb. test **2160** °F ps

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Dn)	No	Diameter or Size	Type	Material	Nominal Thickness	Reinforcement Material	How Attached	Location
Inlet/Outlet	2	3"	RFWN	SA-106-B	0.600"	N/A	UW-16.1 (c)	Shell/Head
Insp./LC/LS	5	2"	TOL	SA-106N	3000#	N/A	UW-16.1 (bb)	Shell
Drains/PSV	3	1"	TOL	SA-106N	3000#	N/A	UW-16.1 (bb)	Shell/Head
Drain	1	1"	CPLG.	SA-106N	6000#	N/A	UW-16.1 (bb)	Head
LG/TI	5	0.75"	TOL	SA-106N	3000#	N/A	UW-16.1 (bb)	Shell
PI	1	0.50"	TOL	SA-106N	3000#	N/A	UW-16.1 (bb)	Shell

11. Supports: **Skirt** **Yes** **Le** **No** **Other** **Attach** **Welded to Bottom Head** (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following the report: **N/A**

Description: **Three Phase Separator**

Impact Testing: **Exempt per UG-200, UCS-66(a)**

Capacity: **23.12 m³** **-0.5175 x**

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. **20887** **December 9, 2000**

Date **9/1/05** Co. Name **Flo-Skid Manufacturing Inc.** Signed **Don Geygik** (Representative)

(Manufacturer)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by **Flo-Skid Manufacturing Inc.** at **CALGARY, ALBERTA, CANADA** I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and / or the State or Province of **ALBERTA** and employee 1 by **ALBERTA BOILER SAFETY ASSOCIATION**

have inspected the component described in the Manufacturer's Data Report on **Edy. 5** **1999**, 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 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 **9/1/05** Sinner **[Signature]**

Committee **ALBERTA #401(R)**

(Authorized Inspector)

(National Board endorsement), State, Prov. and Dist.