

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

(A) 2763802

1. Manufactured and certified by PRESSON MANUFACTURING LTD. 2103-8TH STREET NISKU, ALBERTA T0C 2G0
 (Name and address of manufacturer)

2. Manufactured for WESTCOAST PETROLEUM LTD. 421 - 7TH AVENUE S.W. CALGARY, ALBERTA T2P 4K9
 (Name and address of purchaser)

3. Location of installation PINE CREEK LSD 7-28-57-19 W5M
 (Name and address)

4. Type VERTICAL 5236-20 K9026.21 B5236-220 --- 1993
 (Horiz. or vert., tank) (Mfg'r's serial No.) (CRN) (Drawing No.) (Nat'l. Bd. 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 1992 Year

to A-2
 Addenda (Date) Code Case No. Special Service per UG-120(d)

6. Shell: SA-51670 .875" .125" 36" OD 10'0"
 Matl. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: DBL BUTT 100% 100 1150 1 DBL BUTT 100% 1
 Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp. (°F) Time (hr) Girth (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Matl. SA-51670 (b) Matl. SA-51670
 (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) TOP	.845"	.125"	---	---	2:1	---	---	---	CONCAVE
(b) BOTTOM	.845"	.125"	---	---	2:1	---	---	---	CONCAVE

If removable, bolts used (describe other fastenings) _____
 (Matl., Spec. No., Gr., Size, No.)

9. MAWP 720 psi at max. temp. 100 °F
 Min. design metal temp. -20 °F at 720 psi. Hydro., pneu., or comb. test pressure 1080 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	6"	RFWN	SA-105	XXH	---	WELDED	SHELL
GAS OUT	1	6"	RFWN	SA-105	XXH	---	WELDED	HEAD
DRAIN	1	2"	RFWN	SA-105	XXH	---	WELDED	HEAD
LIQ OUT	1	2"	RFWN	SA-105	XXH	---	WELDED	SHELL

11. Supports: Skirt YES Lugs --- Legs --- Other --- Attached WELDED
 (Yes or no) (No.) (No.) (Described) (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 part, item number, Mfg'r's name and identifying stamp)

SEPARATOR (V-100)

IMPACT EXEMPT PER UG-20f

VOLUME = 72 cu.ft

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. 16081 expires SEPT. 1995
 Date MAR 15 1993 Co. name PRESSON MANUFACTURING LTD. Signed [Signature] (Manufacturer) [Signature] (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by PRESSON MANUFACTURING LTD. at NISKU, ALBERTA.

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 BOILERS BRANCH

have inspected the component described in this Manufacturer's Data Report on 15 March 1993, 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 March 1993 Signed D. W. Koski Commissions Alberta
 (Authorized Inspector) (Nat'l Board (incl. endorsements), State, Prov. and No.)

FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

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(Name and address of manufacturer)

2. Manufactured for WESTCOAST PETROLEUM LIMITED 421 - 7TH AVENUE S.W. CALGARY, ALBERTA T2P 4K9
(Name and address of purchaser)

3. Location of installation PINE CREEK LSD 7-28-57-19 W5M
(Name and address)

4. Type VERTICAL 5236-20 K9026.21 B5236-220 --- 1993
(Horiz. vert., tank, etc.) (Mfg'r's. serial No.) (CRN) (Dwg) (Nat'l. Bd. No.) (Year built)

Data Report

Item Number

Remarks

PURPOSE	NO.	SIZE	TYPE	MATERIAL	THICKNESS	REINF. MATERIAL	HOW ATTACHED	LOCATION
LLC-1,2,3	3	4"	RFWN	SA-105	XXH	---	WELDED	SHELL
GG-1,2	4	2"	RFWN	SA-105	XXH	---	WELDED	SHELL
HC OUTLET	1	2"	RFWN	SA-105	XXH	---	WELDED	SHELL
TI-1	1	2"	RFWN	SA-105	XXH	---	WELDED	SHELL
PI-1	1	2"	RFWN	SA-105	XXH	---	WELDED	SHELL
HLSD-1	1	4"	RFWN	SA-105	XXH	---	WELDED	SHELL
PC-1	1	2"	RFWN	SA-105	XXH	---	WELDED	SHELL
PSV-1	1	2"	RFWN	SA-105	XXH	---	WELDED	SHELL
LPSD-1	1	2"	RFWN	SA-105	XXH	---	WELDED	SHELL
INSP	2	6"	RFWN	SA-105	XXH	---	WELDED	SHELL

Date MAR 15 1993

PRESSON MANUFACTURING LTD.

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H. H. Wulde

15 March 1983

Signed D. W. Blaske (Manufacturer)

Commissions

115 (Representative
Albert

W. J. D. and M. J. J. (1990) *Journal of Space Research* 25, 101-110.