

**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

A465029

1. Manufactured and Certified by: COMPLETE PACKAGE TECHNOLOGY (2000) LTD., 2887 PARSONS ROAD, EDMONTON, ALBERTA T6N 1A3  
(Name and Address of Manufacturer)

2. Manufactured for: Talisman Energy Inc. c/o Colt Engineering Corporation, #400, 10201 Southport Road S.W., Calgary, AB T2W 4X9  
(Name and Address of Purchaser)

3. Location of installation: LSD 4-20-79-24 W5M  
(Name and Address)

4. Type: VERTICAL Cu0-6225-1 P1539 2 CPT00-6168-200 R. 0 2001  
(Horn. or Vert. tank) (Mfr's serial No.) (CRN) (Drawing No.) (Nat'l Bd. No.) Year Bui.

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 1998 Edition  
Year

to 1999  
Addenda (date) Code Case No. s Special Service per UG-120(d)

6. Shell: SA-106-B 1.031" 0.125" 13.938" 7' 6" S/S  
Mat'l (Spec. No., Grade) Nom. Thk. (In.) Corr. Allow. (In.) Diam. I. D. (ft. & In.) Length (overall) (ft. & In.)

7. Seams: Seamless N/A 100 1125 62 min. Type 1 Full 1  
Long. (Welded, Dbl., R. T. (Spot, Eff. (%) H. T. Temp. (F) Time (h.) Girth (Welded, Dbl., Sngl., Laps, R. T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Mat'l SA-516-70N (b) Mat'l SA-516-70N  
(Spec. No., Grade) (Spec. No., Grade)

Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Radius	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a) Top End	0.900"	0.125			2:1 SE				Concave
(b) Bottom End	0.900"	0.125"			2:1 SE				Concave

If removable, bolts used (describe other fastenings)

(Mat'l, Spec. No., Gr., Size, No.)

9. MAWP 1480 psi at max. temp. 100 °F  
Min. design metal temp. -20 °F at 1480 psi. Hydro pneu., or comb. test pressure 2220 psi.

10. Nozzles, inspection, and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. Or Size	Type	Mat'l	Nom. Thk.	Reinforcement Mat'l	How Attached	Location

11. Supports: Skirts Yes Lugs Yes Legs No Other N/A Attached Yes Btm. Head-Welded Yes  
(Yes or No) (Yes or No) (Yes or No) (Describe) (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

VOLUME 11.1 CU. FT.

See attached U-4

Vessel is impact test exempt per UCS-66 and UG-20(f)

As Built Drawing CPT00-6225 200 Rev. 1

End user is responsible for providing overprotection for vessel. Pressure relief valve in accordance with PARA. UG 125 of ASME Sec. VIII, Div. 1

**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. 32,148 expires 17-Oct-03  
Date Jan 11/01 Co. name COMPLETE PACKAGE TECHNOLOGY (2000) LTD Signed [Signature]  
(Manufacturer) (Representative)

**CERTIFICATE OF SHOP INSPECTION**

Vessel constructed by COMPLETE PACKAGE TECHNOLOGY (2000) LTD at Edmonton, Alberta  
I, the undersigned, hold 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 BOILERS SAFETY ASSOCIATION  
have inspected the component described in this Manufacturer's Data Report on Jan 11, 2001, 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 loss of any kind arising from or connected with this inspection.  
Date Jan 11, 2001 Signed [Signature] Commissions ALBERTA #87  
(Authorized Inspector)

A465029

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

1. Manufactured and certified by: COMPLETE PACKAGE TECHNOLOGY (2000) LTD., 2887 Parsons Road, Edmonton, Alberta T6N 1A3  
(Name and address of Manufacturer)

2. Manufactured for: Talisman Energy Inc. c/o Colt Engineering Corporation, #400, 10201 Southport Road S.W., Calgary, AB T2W 4X9  
(Name and address of Purchaser)

3. Location of Installation: LSD: 4-20-79-24 W5M  
(Name and address)

4. Type: VERTICAL SEPARATOR C00-6225-1  
(Horiz., vert., or sphere) (Tank separator, heat exch., etc) (Mfg's Serial No.)

P1539.2 CPT00-6168-200 Rev 0 2001  
(CRN) (Drawing No.) (Nat'l Bd. No.) (Year Built)

Date Report  
 Item Number

Remarks

**NOZZLES AND OPENINGS**

Purpose	No.	Dia	Type	Material	Nom Thk Location	Re Mat	How Att
INLET	N1	1	3"	600# RFLWN	SA-105N / SA-234-WPB	0.81"	UW16-1c SHELL
GAS OUTLET	N2	1	3"	600# RFLWN	SA-105N	0.81"	UW16-1c HEAD
OIL OUTLET	N3	1	2"	600# RFLWN	SA-105N	0.66"	UW16-1c SHELL
WATER OUTLET	N4	1	2"	600# RFLWN	SA-105N	0.66"	UW16-1c SHELL
DRAIN	N5	1	2"	600# RFLWN	SA-106-B / SA-105N	0.343"	UW16-1c HEAD
OIL LLC	N6	1	2"	600# RFLWN	SA-105N	0.66"	UW16-1c SHELL
WATER LLC	N7	1	2"	600# RFLWN	SA-105N	0.66"	UW16-1c SHELL
OIL LG	N8A/B	2	1½"	600# RFLWN	SA-105N	0.63"	UW16-1c SHELL
WATER LG	N9A/B	2	1½"	600# RFLWN	SA-105N	0.63"	UW16-1c SHELL
PI	N10	1	1½"	600# RFLWN	SA-105N	0.63"	UW16-1c SHELL
TI	N11	1	1½"	600# RFLWN	SA-105N	0.63"	UW16-1c SHELL
PSV	N12	1	1½"	600# RFLWN	SA-106-B / SA-105N / SA-234-WPB	0.400"	UW16-1c SHELL
INSPECTION	N13A/B	2	3"	600# RFLWN	SA-105N	0.81"	UW16-1c SHELL

Certificate of Authorization: Type: U No: 32,148

Date Jan. 11/01 Name COMPLETE PACKAGE TECHNOLOGY(2000) LTD.  
(Manufacturer)

Date Jan 11, 2001 Name Harold Lake  
(Authorized Inspector)

Expires: 17- Oct- 03

Signed [Signature]  
(Representative)

Commission AB#87  
(Nat'l Board (incl. Endorsements) State, Province and No.)