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

(Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only) A 499447

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

1. Manufactured and certified by *Opsco Energy Industries Ltd., 2601 Centre Ave East, Calgary, AB T2A 2L1* (Name and address of manufacturer)

2. Manufactured for *Talisman Energy Inc. 2400 855 2St.S.W. Calgary A.B.* (Name and address of purchaser)

3. Location of installation *Kimiwan, 10-22-79-20-W5M* (Name and address)

4. Type

Vert.,Separator	*01-4014-1*	*L9071.213*	*V-01-QB36ABS R.P2Q2*	*N/A*	*2003*
(Horiz or vert. tank)	(Mfgr'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 specification of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 *2001* (Year)

to *2002* (Addenda (date)) *N/A* (Code Case Nos) *N/A* (Special service per UG-1 20(d))

6. Shell:

SA-516-70 N	*1.375"*	*0.125"*	*2' - 9.25"*	*8'-0"*
Mat'l (Spec. No., Grade)	No. of Mat Thk (in.)	Corr. Allow (in.)	Diam. I.D. (ft & in.)	Length (overall) (ft. & in.)

7. Seams:

Type 1	*Full*	*100%*	*N/A*	*N/A*	*Type 1*	**Full*	*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) Mat'l *SA-516-70 N* (Spec. No. Grade) (b) Mat'l *SA-516-70 N* (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 Pres (Con c/Co nv)
(a)	*Top, Bottom*	*1.3125"*	*0.125"*			*2:1*				*Concave*
(b)										

if removable, bolts used (describe other fasteners) (Matl. Spec. No., Gr., Size, No.)

9. MAWP *1345* psi at max. temp *150 F* °F

Min.Design Metal Temp. ***-20* °F at *1345* Psi Hydro.,pneu, or comb. test *2017* 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"*	*Cl 600 RFWN*	*SA-106B/SA-105N*	*.432"*	*SA-516-70N*	*Fig. UW-16.1(h)*	
WLC/HLSD/HC LC	*3*	*2"*	*CPLG*	*SA-105 N*	*6000#*	*Integral*	*Fig. UW-16.1(c)*	
WD/PSV/Insp/HCD	*3*	*2"*	*TOL*	*SA-105 N*	*6000#*	*Integral*	*Fig. UW-16.1(a)*	*Shell/Head*
Drain	*1*	*1.5"*	*NPT*	*SA-333-Gr.6/SA-105N*	*.400"*	*Integral*	*Fig. UW-16.1(c)*	
HECI/HECO	*2*	*1"*	*CPLG*	*SA-105 N*	*6000#*	*Integral*	*Fig. UW-16.1(c)*	
Spare	*2*	*1"*	*TOL*	*SA-105 N*	*6000#*	*Integral*	*Fig. UW-16.1(a)*	
WLG/TI/HCLG	*5*	*.75"*	*TOL*	*SA-105 N*	*6000#*	*Integral*	*Fig. UW-16.1(a)*	
Outlet	*1*	*6"*	*Cl 600 RFWN*	*SA-106B/SA-105N*	*.864"*	*Integral*	*Fig. UW-16.1(c)*	
PI	*1*	*.5"*	*TOL*	*SA-105 N*	*6000#*	*Integral*	*Fig. UW-16.1(a)*	

11. Supports: Skirt *YES* (Yes or no) Lugs _____ (No.) Legs _____ (No.) Other _____ (Describe) Attached *Btm Head Welded* (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, Mfgr's name and identifying stamp)

Impact Testing: ***Exempt as per UCS-66(a) and UG-20(f)[1-5]* Radiography per: **As per UW-11(a) and UW-51*

Tag No.: *V-100* Volume: *53 cu. ft. (1.5 cu. M)*

A No: *CONSTRUCTION DWG. NO.: V-03-4014-2462 R.3*

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. *21,356* expires *July 21, 2004*

Date: *November 07, 2003* (mm/dd/yy) Co. Name *Opsco Energy Industries Ltd.* (Manufacturer) Signed _____ (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by *Opsco Energy Industries Ltd.* 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 *ABSA, Alberta Boilers Safety Association*

have inspected the component described in the Manufacturer's Data Report on *Nov 7/03*, 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 *November 07, 2003* (mm/dd/yy) Signed _____ (Authorized Inspector) Commissions *Alberta 175* (Nat'l Brd(incl endorsments),State,Prov and No.)