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

Boton, Endst   Thickness   Allowance   Radius   Radius   Radius   Apex Angle   Radius   Diameter   (Concine   10)	1. Manufactured and certified by					Opsco Energy Industries Ltd., 2601 Centre Ave East, Calgary, AB T2A 2L1								
1.	Manufactured for					(Name and address of manufacturer) PENN WEST PETROLEUM LTD.890-111-5 AVE.,S.W.,CALGARY AB								
## HORZESEPARATOR   01-3130-1   16:503-2   17:9-3130-18-8   15:0-1	3.	Location	of instal	lation										
6. 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  1998  10  Assentia (statio)  5. Shelt:  Assentia (statio)  6. Shelt:  Assentia (statio)  7. Seams:  179pe 1  10  10  10  10  10  10  10  10  10	4.	Type						6505.2 V-99-3130-1834 R.2				1999		
VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1   1998   1998   160   1998   1998   1998   1999   1	•								1				(Year built)	
Continue	٥.													
										-				
S.   Seams		to	Add	enda (da)	el .	Code	Case Nos			Special sen	rice per UG-12	0(d)		
Type   Full   100	6.	Shell:				0000	0.11	25"						
Second Column   Second Colum	_							Corr. Allo	Corr. Allow.(in.)		The state of the s			
Second   S							-	H.T. Temp. (F)	Time (hr)	Girth (Welded Dbl.,		The second secon	No. of Courses	
Lescition (Top Botton, Ends)   Thickness   Corrected Botton, Ends)   Thickness   Allowance   Radius   Radius   Radius   Radius   Radius   Radius   Radius   Diameter   (Conscilent   Conscilent   Cons	_		(- \ <b>A</b> 4 - M)	Sngl., L	ap, Butt)				# > B # - 4H					
Lossilon (Top   Moinnum   Corrossen   Crown   Rudius   Radius   Radius   Radius   April April   April April   Radius   April April   April April   Radius   April April   Radius   April April   Radius   Dameter   Conscious	8.	8. Heads: (a) Mat'l							(b) Matri					
BOTH ENDS   3125"   0.125"   2:1		Location (Top			Minimum			Knuckle	Elliptical	Conical				
### If the movable, boils used (describe other fasteners)  9. MAWP  9. Min.Design Metal Temp.  20		Bo	ottom, Ends	)	Thickness	Allowance	Radius	Radius	Ratio	Apex Angle	Radius	Diameter	(Con c/Co nv)	
If removable, bolts used (describe other fasteners)  9. MAWP  50	(a)	BO	OTH END	S	.3125"	0.125"			2:1				Concave	
Mail Spec No. Gr. Size. No.   100   15   150	(b)													
Min.Design Metal Temp.   20   °F at   50   Psi   Hydro.,pneu, or comb. test   75   ps		if remov												
10. Nozzles, Inspection and safety valve openings:    Purpose   Na.   Diam	9.	MAWP				50		psi at max. ten		100				
Purpose   No.   Observed   Type   Mail:   Nom.   Reinforcement   How   Valido		Min.Desi	gn Metal	Temp.	-20	°F at	50 P	si	Hydro.,pneu, or					
(Intel, Outlet, Drain)   Or Size   Thk   Mail   Allached	10													
Integral   UW-16.1(c)   MANWAY   1   20°   150H-RFWN   SA-106B   .375°   Integral   UW-16.1(c)   MANWAY   1   20°   150H-RFWN   SA-106B   .375°   Integral   UW-16.1(c)   UW-16.1(c)   UW-16.1(c)   Integral   UW-16.1(c)   UW-16.1(c)   Integral   Integral   UW-16.1(c)	,					Type	Mati.					1 - 2 - 2	reation	
### DRBCRCHC 7 2" 150#-RFWN SA-106B .343" Integral UW-16.1(c)  FGI 1 1" 150#-RFLWN SA-105 N .500" Integral UW-16.1(c)  11. Supports: Skirt NO Lugs Legs 2 Other SADDLES Attached ETHER END & 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:    Impact Testing: EXEMPT AS PER UG-20(f) Radiography per: UW-11(a)  Tag No: V-136 Volume: 603 CU. FT. (17 CU.M.)    CERTIFICATE OF SHOP COMPLIANCE			-	2		150#-RFWN	SA-106B							
11. Supports: Skirt NO Lugs Legs 2 Other SADDLES Attached ETHER END & 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:    Impact Testing: EXEMPT AS PER UG-20(f) Radiography per: UW-11(a)    Tag No.: V-136 Volume: 603 CU. FT. (17 CUM)    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. 2/356 expired July 21, 2001    Date 17   08   GQ	MANWAY 1			-			SA-106B			Integral				
11. Supports: Skirt NO Lugs Legs 2 Other SADDLES Attached EITHER END & WELDED  (No.) (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:    Impact Testing: EXEMPT AS PER UG-20(f)   Radiography per: UW-11(o)    Tag No.: V-136   Volume: 603 CU. FT. (17 CU.M.)    CERTIFICATE OF SHOP COMPLIANCE														
Certificate of Authorization No.   Certificate of Alberta   Calgary, Alberta, Canada	FGI			1	1"	150#-RFLWN	SA-105 N		.500"	Integral		UW-16.1(c)		
Certificate of Authorization No.   Certificate of Alberta   Calgary, Alberta, Canada						-								
Certificate of Authorization No.   Certificate of Alberta   Calgary, Alberta, Canada														
Certificate of Authorization No.   Certificate of Alberta   Calgary, Alberta, Canada														
Certificate of Authorization No.   Certificate of Alberta   Calgary, Alberta, Canada						-								
Certificate of Authorization No.   Certificate of Alberta   Calgary, Alberta, Canada														
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, Migr's name and identifying stamp	11. Supports: Skirt NO Lu				NO Lug	\$	Legs 2 Other			ES Attached EITHER END & WEL			WELDED	
the report:    Impact Testing:   EXEMPT AS PER UG-20(f)   Radiography per:   UW-11(a)														
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Alberta and employed by ABSA, Alberta Boilers Safety Association														
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nave inspected the component described in the Manufacturers Data Report on	b	ve insne			ent described			ort on	ABSA. AL	7./00		tate that, to the b	est of	
my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME code, Section VIII, Division 1. By signing this									dance with ASM	E cede, Sect				
rtificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in the Manu-														
facturer's Data Report. Furthermore, neither the Imspector nor his employer shall be liable in any manner for any personal injury or property damage	1													
or a loss of any kind arising from or connected with this inspection.  Date 17 CO Signed Commissions Alberta 40 (1)	(O)													
Date 17 CQ Signed Commissions Alberta LO (() (Nat'l Brd(incl.endorsments), State, Prof. and No.)	_	11	(mrn/dd	(1)			(Authorized Ins	pector)			at! Brd(incl.end		and No.)	