

ZC - change insp. interval to 48 mo.

ConocoPhillips Canada

GENERAL PRESSURE VESSEL INFORMATION

District: Grande Prairie, AB	Skid No.
Facility: Ladyfern Gas Gathering	Location (LSD): 04 - 30 - 94 - 12 - W6M
Vessel Name & Equipment Number: Sales Gas Coalescer	
Orientation: Vertical	
Status: Operating	Regulatory Inspection

PRESSURE VESSEL NAMEPLATE DATA

"A" or "G" or "S" (Sask.) or BC Registration Number. A 523112		CRN Number R 8367.2135	
Vessel serial number: PE 9008		Size (diameter x length- estimate if necessary): 8.625 in. x 8 ft.	
Shell thickness:		Shell material:	
Head thickness:		Head material:	
Tube wall thickness:		Tube material:	
Tube diameter:		Tube length:	
Channel thickness:		Channel material:	
Design pressure	Shell: 1440 Psi	Operating pressure	Shell:
	Tubes:		Tubes:
Design Temp.	Shell: 130 deg F	Operating temperature	Shell:
	Tubes:		Tubes:
X-ray: RT 1		Heat treatment: HT	
Code parameters: ASME VIII / Div 1		Joint efficiency (if on nameplate):	
Manufacturer: Penfabco Limited		Year built: 2004	
Corrosion allowance: 3.2 mm		Manway? No X	

PRESSURE SAFETY VALVE NAMEPLATE DATA

Tag Number(s)	Set Pressure	CRN #	Manufacturer /Model /Ser# and Code Stamp	Capacity (Scfm)	Size	Set Date
Shell Side G# 613467	1415 Psi	OG 8841.5C	Mercer / 9110-36F11P/N/ 198179 / UV	7945	1.5 X 2	Aug 05 I.P.V.
Tube Side						

SERVICE CONDITONS-INDICATE ALL THAT APPLY

Sweet X	Sour	Oil	Gas X	Water
Amine	LPG	Condensate	Air	Glycol

Other (Describe):

Inspection Interval 48 mo. PSV Service Interval As Per Maxittrak

(Determined by MIC in conjunction with Chief Inspector following guidelines of ConocoPhillips Canada Inspection Program)

Reports reviewed and accepted by:

Mechanical Integrity Coordinator

Barry Throness
PESL Cert # 77

Date

APR 01 2006

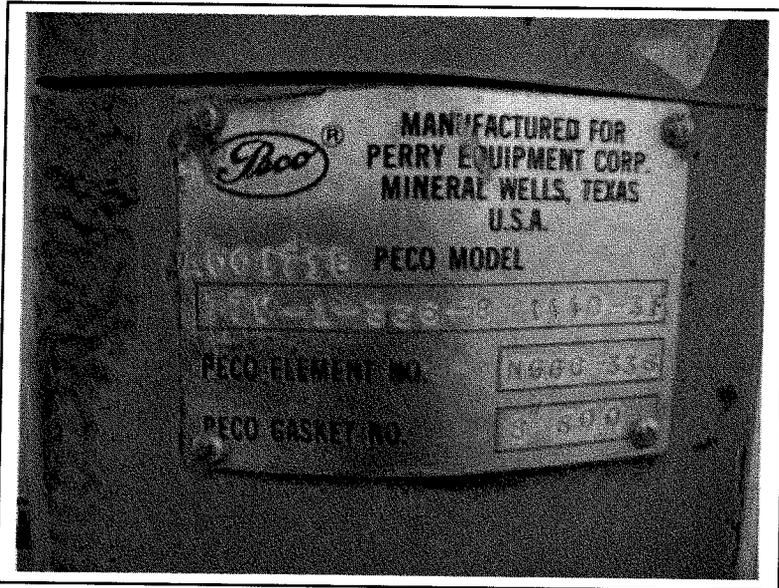
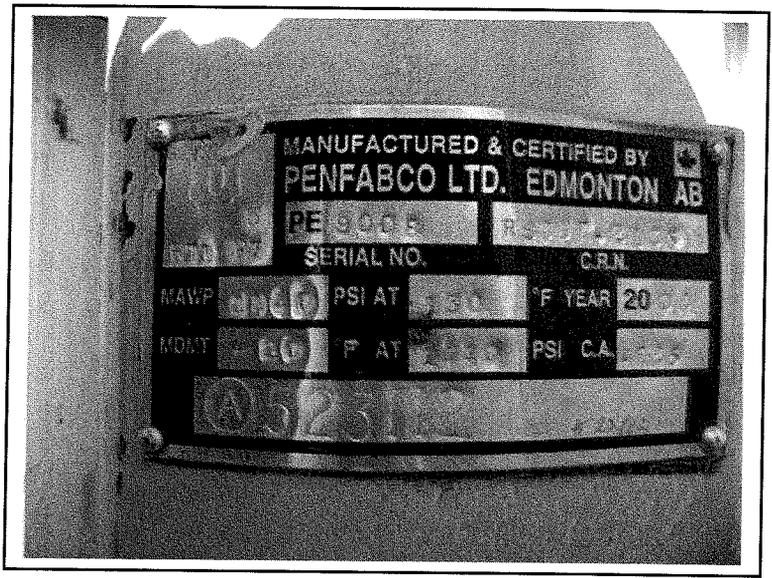
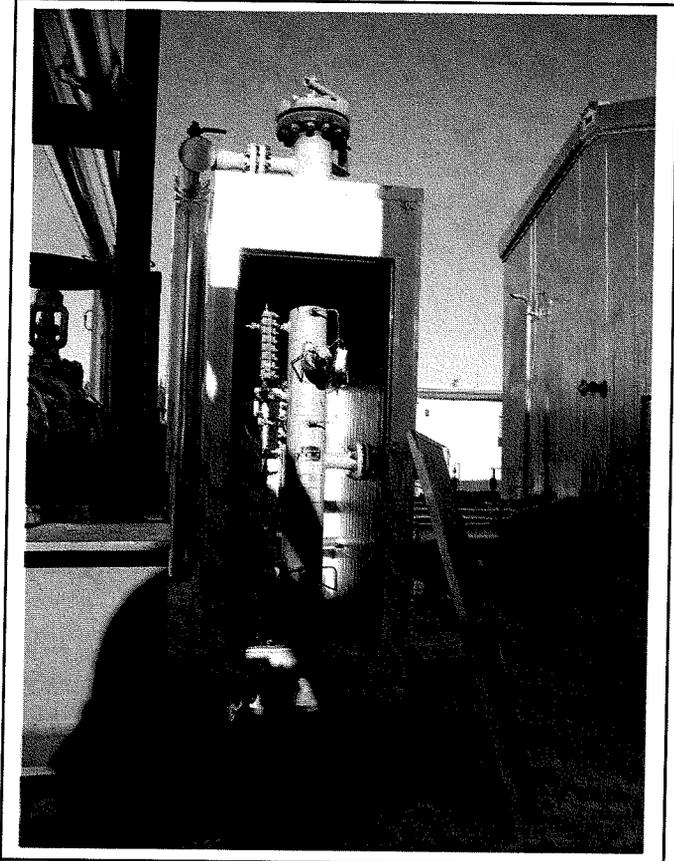
Fill out all forms as completely as possible. All information is important! Use back of sheets to record additional information or sketch if required.
Copy of report to be filed by MIC at site, and copy sent to Chief Inspector

External Inspection Items A 523112	G	F	P	N/A	Comments
Insulation Verify sealed around manways, nozzles, no damage present, and there is no egress of moisture.				X	Vessel is not insulated.
External Condition Assess paint condition, areas peeling, record any corrosion, damage, etc (record location, size and depth of corrosion or damage)	X				Good condition, no loose or flaking paint – no exposed metal.
Leakage Record any leakage at flanges, threaded joints, weep holes on repads, etc.	X				No leaking detected.
Skirt Assess condition of paint, fire protection, concrete. Look for corrosion, buckling, dents, etc. Look at vessel surface area near supports. Verify no signs of leakage at attachment to vessel and attachment welds are acceptable. Ground wire attached?	X				Good condition, no distortion, firmly bolted to platform on pilings. Ground cable attached to skirt.
Anchor Bolts Hammer tap to ensure secure. Look for cracking in treads or signs of deformation.	X				Firmly bolted to platform.
Concrete foundation Check for cracks, spalling, etc.				X	Platform deck sits on pilings.
Ladder / Platform Describe general condition, ensure support is secure to vessel, describe any hazards.				X	No ladder – stairs and platform are in good condition – no loose or missing sections.
Nozzle Assess paint, look for leakage, and ensure stud threads are fully engaged. Record any damage, deflection, etc. Are nozzles gusseted?	X				No deflection or leaking. Nozzles are not gusseted.
Gauges Ensure gauges are visible, working, no leakage, and suitable for range of MAWP/Temp.	X				No gages on vessel.
External Piping Ensure pipe is well supported. All clamps, supports, shoes, etc. in place. Look for evidence of structural overload, deflection, etc. Paint condition, external corrosion?	X				Well supported, all shoes in place.
Valving Ensure no leaks are visible. Valves are properly supported and chained if necessary.	X				No leaks – chains not required.
PSV Ensure PSV is set at pressure at or below that of vessel. Discharge piping is same size as inlet to valve and is properly supported and routed. Ensure no block valves between psv and vessel or if there are they are locked open.	X				Located on compressor discharge piping – set below MAWP of vessel.
NDE methods Was UT/ MPI done on vessel (MI coordinator to review results)				X	Ultrasonic thickness survey carried out – no metal thickness detected below nominal.
<p>Recommendations or corrective actions : Vessel is Fit for Service or describe corrective actions required) (MIC to review corrective actions with Operations, discuss with Chief Inspector where necessary, and get remedial action implemented) Recommendations: No recommendations at this time. Summary: This vessel is in good overall condition, ultrasonic thickness inspection carried out – no pitting detected – all metal above nominal.</p>					

Inspected By: D. Wiedman

Date: Feb 3 – 2006

Sales Gas Coalescer – A 523112



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**ConocoPhillips Canada
GENERAL PRESSURE VESSEL INFORMATION**

District: Grande Prairie, AB	Skid No.
Facility: Ladyfern Gas Gathering	Location (LSD): 04 - 30 - 94 - 12 - W6M
Vessel Name & Equipment Number: Cyclone Separator	
Orientation: Vertical	
Status: Operating	Regulatory Inspection

PRESSURE VESSEL NAMEPLATE DATA

"A" or "G" or "S" (Sask.) or BC Registration Number. A 506230		CRN Number R 6774.2	
Vessel serial number: C04-6936-01		Size (diameter x length- estimate if necessary): 12.75 in. x 6 ft.	
Shell thickness: 21.4 mm		Shell material: SA 106 B	
Head thickness: 19.3 mm		Head material: SA 516 70N	
Tube wall thickness:		Tube material:	
Tube diameter:		Tube length:	
Channel thickness:		Channel material:	
Design pressure	Shell: 1435 PSI	Operating pressure	Shell:
	Tubes:		Tubes:
Design Temp.	Shell: 130 deg F	Operating temperature	Shell:
	Tubes:		Tubes:
X-ray: RT 1		Heat treatment: HT	
Code parameters: ASME VIII / Div 1		Joint efficiency (if on nameplate):	
Manufacturer: Compact		Year built: 2004	
Corrosion allowance: 3.2 mm		Manway? No X	

PRESSURE SAFETY VALVE NAMEPLATE DATA

Tag Number(s)	Set Pressure	CRN #	Manufacturer /Model /Ser# and Code Stamp	Capacity (Scfm)	Size	Set Date
Shell Side PSV 4550	1415 Psi	OG 0386.9C	Farris/ 27DA23-M20 / 465143-10-K / UV ✓	126 USGPM	1.5 X 2	May 04 Farris
Tube Side						

SERVICE CONDITONS-INDICATE ALL THAT APPLY

Sweet X	Sour	Oil	Gas X	Water
Amine	LPG	Condensate	Air	Glycol

Other (Describe):

Inspection Interval 48 mo **PSV Service Interval** As Per Maxitrak
 (Determined by MIC in conjunction with Chief Inspector following guidelines of Canadian Pressure Vessel Inspection Program)
 Reports reviewed and accepted by: Barry Throness
Mechanical Integrity Coordinator PESL Cert # 77 Date APR 01 2006

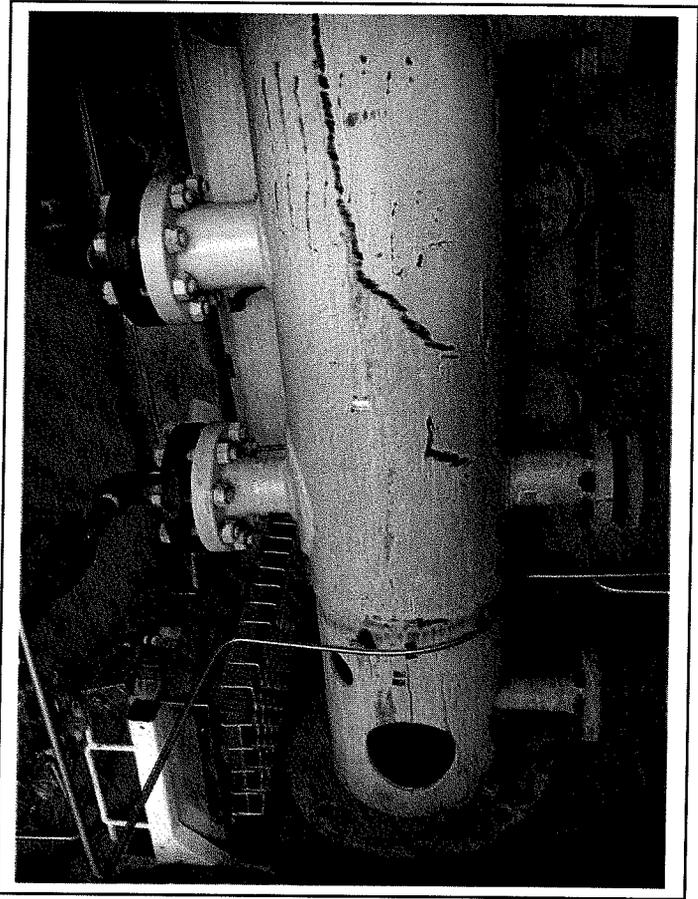
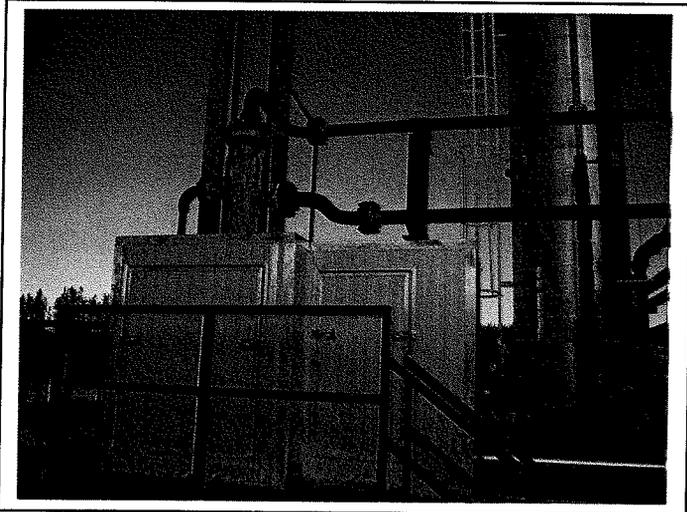
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 Copy of report to be filed by MIC at site, and copy sent to Chief Inspector

External Inspection Items A 523112	G	F	P	N/A	Comments
Insulation Verify sealed around manways, nozzles, no damage present, and there is no egress of moisture.				X	Vessel is not insulated.
External Condition Assess paint condition, areas peeling, record any corrosion, damage, etc (record location, size and depth of corrosion or damage)	X				Good condition, no loose or flaking paint – no exposed metal.
Leakage Record any leakage at flanges, threaded joints, weep holes on repads, etc.	X				No leaking detected.
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Valving Ensure no leaks are visible. Valves are properly supported and chained if necessary.	X				No leaks – chains not required.
PSV Ensure PSV is set at pressure at or below that of vessel. Discharge piping is same size as inlet to valve and is properly supported and routed. Ensure no block valves between psv and vessel or if there are they are locked open.	X				Located on outlet piping – set below MAWP of vessel.
NDE methods Was UT/ MPI done on vessel (MI coordinator to review results)				X	Ultrasonic thickness survey carried out – no metal thickness detected below nominal.
<p>Recommendations or corrective actions : Vessel is Fit for Service or describe corrective actions required) (MIC to review corrective actions with Operations, discuss with Chief Inspector where necessary, and get remedial action implemented) Recommendations: No recommendations at this time. Summary: This vessel is in good overall condition, ultrasonic thickness inspection carried out – no pitting detected – all metal above nominal.</p>					

Inspected By: D. Wiedman

Date: Feb 3 – 2006

Cyclone Separator – A 506230



CERTIFIED BY		
 Compact COMPLETE PACKAGE TECHNOLOGY (2000) LTD EDMONTON • ALBERTA • CANADA		
M.A.W.P.	PSI at	°F
M.A.W.P.	kPa at	°C
M.D.M.T.	°F at	PSI
M.D.M.T.	°C at	kPa
SERIAL No.	YEAR BUILT	
C.R.N.	I.D. No.	
MATERIAL	Shell	Head
WELDED THICKNESS	Shell	Head