

A2552389
Add new PSV service date

**ConocoPhillips Canada
 GENERAL PRESSURE VESSEL INFORMATION**

District: Grande Prairie, AB	Skid No. 15197
Facility: Valhalla Oil & Gas Gathering	Location (LSD): 06-21-75-11 W6M
Vessel Name Equipment Number: Inlet Separator	
Orientation: Vertical	
Status: In Service	Regulatory Inspection: Yes

PRESSURE VESSEL NAMEPLATE DATA

"A" or "G" or "S" (Sask.) or BC Registration Number. A 2552389	CRN Number: H-7052.2
Vessel serial number: 4601-20	Size: 24in x 8ft
Shell thickness: 0.500"	Shell material: SA 516 70
Head thickness: 0.487"	Head material:
Tube wall thickness:	Tube material:
Tube diameter:	Tube length:
Channel thickness:	Channel material:
Design pressure	Operating pressure
Shell: 720 psi	Shell: 50 psi
Tubes:	Tubes:
Design Temp.	Operating temperature
Shell: 100°F	Shell:
Tubes:	Tubes:
X-ray: RT-1	Heat treatment: Nil
Code parameters: ASME VIII, DIV1	Coated: No
Manufacturer: Presson Mfg.	Year built: 1989
Corrosion allowance: 1.6mm	Manway: No

PRESSURE SAFETY VALVE NAMEPLATE DATA

Tag Number(s)	Set Pressure	CRN #	Manufacturer /Model /Ser# and Code Stamp	Capacity (Scfm)	Size	Set Date
Shell Side 357	700 psi	0G0986.9C	FARRIS / 27FA45-F20 / 459546-1-KE / UV	4420	1.5" x 2"	MAY 2005
Tube Side						

SERVICE CONDITIONS-INDICATE ALL THAT APPLY

Sweet <input checked="" type="checkbox"/> X	Sour	Oil	Gas <input checked="" type="checkbox"/> X	Water <input checked="" type="checkbox"/> X
Amine	LPG	Condensate <input checked="" type="checkbox"/> X	Air	Glycol

Other (Describe):

Inspection Interval 60 mo. PSV Service Interval As Per Maxitruk
 (Determined by MIC in conjunction with Chief Inspector following guidelines of ConocoPhillips User Inspection Program)
 Reports reviewed and accepted by: Barry Throness Date MAR 23 2006
 Mechanical Integrity Coordinator PESL Cert # 77

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
Operated by Anadarko AS per BT.

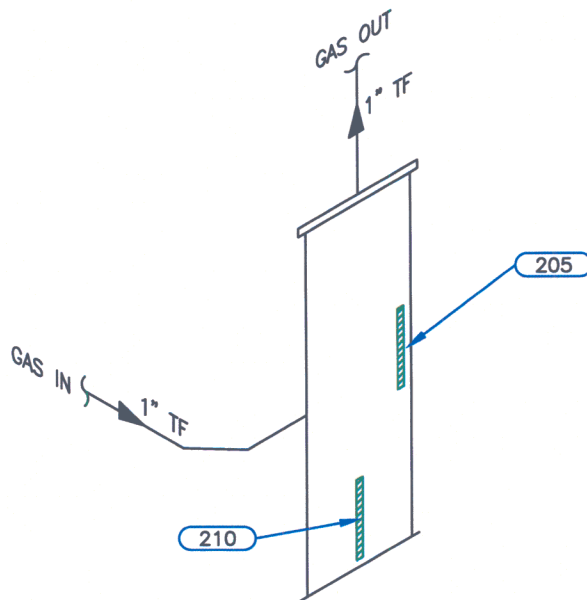
External Inspection Items	G	F	P	N/A	Comments
Insulation -Verify sealed around manways, nozzles, no damage present, and there is no egress of moisture.	X				...Roof seal intact.
External Condition -Assess paint condition, areas peeling, record any corrosion, damage, etc (record location, size and depth of corrosion or damage)			X		...Above roof: oxidization occurring to approx 30% of head and shell. Below roof: Approx. 10% of vessel covered by light surface corrosion. Four areas approx 6" x 6" and 1' x 1' area on south side of shell
Leakage -Record any leakage at flanges, threaded joints, weep holes on repads, etc.	X				...No leaks found.
Skirt/ Saddle -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			...No dents or buckles. Paint in fair condition with minor chips and oxidization to approx. 5% of area.
Anchor Bolts -Hammer tap to ensure secure. Look for cracking in treads or signs of deformation.	X				...4 bolts secure to skid floor. Grounded at skid.
Concrete foundation -Check for cracks, spalling, etc.				X	
Ladder / Platform -Describe general condition, ensure support is secure to vessel, and describe any hazards.				X	
Nozzle -Assess paint, look for leakage, and ensure stud threads are fully engaged. Record any damage, deflection, etc. Are nozzles gusseted?		X			...No short bolting, threads fully engaged, no leaks. Inlet nozzle paint has failed at the 5:00 to 7:00 position surface corrosion is occurring.
Gauges -Ensure gauges are visible, working, no leakage, and suitable for range of MAWP/ Temp.		X			...Both inlet and outlet gauge range: 0 to 1000 psi. Both gauges have 1/4" air bubble.
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		...Inlet piping has 1" x 2" band of surface corrosion occurring at the 6:00 to 8:00 position. Rest of piping is in fair condition with minor paint chipping and corrosion to less than 5% of area.
Valving -Ensure no leaks are visible. Valves are properly supported and chained if necessary.	X				...No leaks found.
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				...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 minus corrosion allowance.
Other-					
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) Sandblast and paint vessel. Vessel is fit for service.					

Inspected By: Dellas Wiedman

Date: Oct 17, 2005

PSV DATA

MFG: FARRIS
 MODEL: 27DA23-M20
 SERIAL: 456869-60-KE
 SET PRES: 862 kPa
 CAPACITY: 306 scfm
 SERVICED BY: IPV
 SERVICE DATE: MAY, 2005
 SIZE: 0.75in x 1in
 CODE STAMP: UV
 BLOCK VALVE: NO
 CRN: OGO386.9C
 LOCATION: INLET PIPING
 TAG: 350



NO DATA PLATE FOUND

Equip. No. _____ Prov. Reg. No. Ⓐ G 611217 C.R.N. _____ Serial No. _____ Yr. Inst. _____
 Code/Div. ASME B31.3 Size: 6.625in x 36in Manufacturer: PRESSON Yr. Blt. 1989
 C. Stamp: NO Service: SWEET PWHT: NIL Radiography: NIL Insulated: NO

Design & Materials Data

HEAD:
 Mat'l. SA 516 70 Nom. 12.7mm C.A. _____
 Mat'l. _____ Nom. _____ C.A. _____

CHANNEL:
 Material: _____ Nominal: _____ C.A. _____

BOOT
 Head Mat'l. _____ Head Nom. _____ Head C.A. _____
 Shell Mat'l. _____ Shell Nom. _____ Shell C.A. _____

SHELL
 Material: SA 106 B Nominal: 7.1mm C.A. 1034 kPa

MAWP Shell Side: 38°C Ⓞ Temp. _____
 MAWP Tube Side: _____ Ⓞ Temp. _____

CLIENT	CONOCOPHILLIPS CANADA	
FACILITY	VALHALLA OIL & GAS GATHERING LSD 06-21-75-11 W6M	
ITEM	FUEL GAS SCRUBBER	
BY: LR	DATE: 10/2005	DWG.# 33A

**ConocoPhillips Canada
GENERAL PRESSURE VESSEL INFORMATION**

ZC - change ^{PSV} status to In Service
- ~~asset~~ protects piping only
and add new PSV service date

District: Grande Prairie, AB	Skid No. 15197
Facility: Valhalla Oil & Gas Gathering	Location (LSD): 06-21-75-11 W6M
Vessel Name Equipment Number: Fuel Gas Scrubber	
Orientation: Vertical	
Status: In Service	Regulatory Inspection: Yes

PRESSURE VESSEL NAMEPLATE DATA

"A" or "G" or "S" (Sask.) or BC Registration Number. G 611217		CRN Number:	
Vessel serial number:		Size: 6.625in x 36in	
Shell thickness:		Shell material:	
Head thickness:		Head material:	
Tube wall thickness:		Tube material:	
Tube diameter:		Tube length:	
Channel thickness:		Channel material:	
Design pressure	Shell:	Operating pressure	Shell: 40 psi
	Tubes:		Tubes:
Design Temp.	Shell:	Operating temperature	Shell: °F
	Tubes:		Tubes:
X-ray:		Heat treatment:	
Code parameters:		Coated:	
Manufacturer:		Year built:	
Corrosion allowance:		Manway: No	

PRESSURE SAFETY VALVE NAMEPLATE DATA

Tag Number(s)	Set Pressure	CRN #	Manufacturer /Model /Ser# and Code Stamp	Capacity (Scfm)	Size	Set Date
Shell Side G612953	125 psi	0G0386.9C	FARRIS / 2DA23-M20 / 456869-60-KE / UV	306	.75" x 1"	05/2005
Tube Side						

SERVICE CONDITIONS-INDICATE ALL THAT APPLY

Sweet X	Sour	Oil	Gas X	Water X
Amine	LPG	Condensate	Air	Glycol
Other (Describe):				

Inspection Interval NIA - Piping PSV Service Interval **As Per Maxittrak**
 (Determined by MIC in conjunction with Chief Inspector following guidelines of Conoco's Owner-User Inspection Program)

Reports reviewed and accepted by:
 Mechanical Integrity Coordinator Barry Throness Date MAR 23 2006
PESL Cert # 77

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	G	F	P	N/A	Comments
Insulation -Verify sealed around manways, nozzles, no damage present, and there is no egress of moisture.				X	
External Condition -Assess paint condition, areas peeling, record any corrosion, damage, etc (record location, size and depth of corrosion or damage)			X		...Oxidization occurring to approx. 60% of vessel. Light surface corrosion beginning to form where vessel paint is chipped or scratched (less than % of area)
Leakage -Record any leakage at flanges, threaded joints, weep holes on repads, etc.	X				...No leaks found.
Skirt/ Saddle -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			...Paint is in fair condition oxidization is occurring to approx. 10% of area. No dents or buckling.
Anchor Bolts -Hammer tap to ensure secure. Look for cracking in treads or signs of deformation.	X				...Welded to floor.
Concrete foundation -Check for cracks, spalling, etc.				X	
Ladder / Platform -Describe general condition, ensure support is secure to vessel, and describe any hazards.				X	
Nozzle -Assess paint, look for leakage, and ensure stud threads are fully engaged. Record any damage, deflection, etc. Are nozzles gusseted?	X				...Threads fully engaged.
Gauges -Ensure gauges are visible, working, no leakage, and suitable for range of MAWP/ Temp.			X		...Pressure gauge fluid is dark and cloudy with range from 0 to 60 psi.
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			...Piping well supported with light brown oxidization occurring to approx. 10% of piping. Minor paint chips to approx. 5% of piping.
Valving -Ensure no leaks are visible. Valves are properly supported and chained if necessary.	X				...Thread engaged no leaks found.
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			...Assumed set at 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 minus corrosion allowance.
Other-					
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) Recommend sandblasting and painting vessel. Vessel is fit for service.					

Inspected By: Dellas Wiedman

Date: Oct 17/2005

