

PRESSURE VESSEL RECORD

REGULATORY
INSPECTION

MAXITRAK V3 Rpt: PV-S-003

Report Date: 5/5/2011

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ConocoPhillips Canada

District: 6 - SOUTHERN PLAINS

Field: 5 CLR - HERRONTON

Facility: BAT 03-21-021-26W4

LSD: 03-21-021-26W4

PV LSD:

Jur #	Equip #	Serial #	CRN #	Alt Jur #	Province	Description
A0426903 ✓	✓	77808 ✓	M8284.2 ✓			SLUG CATCHER ✓ <i>Barker</i>
Unit Name: SKD6177 ✓						
Service		Radio/Hydro/Eff.		Access		
Process Fluid:		Radiography: RT1 ✓		Manway: <i>Y</i>		
Sweet/Sour: SOUR		Hydro:		Hand hole: <i>Y</i>		
Environ WET SOUR LIQUIDS		Joint Eff: 1 ✓		Internal access:		
Shell:		PWHT: Y ✓				
Environ Tube:						
Vessel Design						
Equipment Type: SEPARATOR						
Year Built: 1997		Capacity: 4.09 m3 ✓				
Drawing #: 14001017						
Diameter: 48.00 in OD ✓		Length: 144.00 in ✓				
ASME: SEC VIII DIV 1 1995 AD.		Heating Surface: in2				
Model:						
Dimension Comments: 4' * 12' E						
Manufacturer: BROMLEY MECHANICAL SERVICES LTD						
Registration		Acct. Code: VCCF001856				
Subject to fee: Y		Jur. category: 2				
Registered: Y		Shutdown req:				
Fee: 36.00		Priority:				
Commission date:		De-commission date:				
Vessel Owner: CONOCOPHILLIPS CANADA LIMITED						
Vessel Shell Side			Vessel Tube Side			
MAWP: 1440 psi ✓			MAWP:			
MAWT: 100 F ✓			MAWT:			
MDMT: -4 F ✓			MDMT:			
PSV's Shell Side			PSV's Tube Side			
Tag #	Serial #	Set Pressure	Set Temp.			
G616099	16707-1	750 psi ✓	F			
PSV Last Service Date: 5/29/2006						
COMPONENTS						
ACCESS REQUIREMENTS						
VESSEL COMMENTS						
#1 vessel shut-in. THIS IS BORDER MIDSTREAMS VESSEL.						
This vessel was bought by Conoco						
Evaluation justifies change to Grade 2 as per Dave Lanktree Alta IBPVI #00165						
Dean Owens June 22, 2009						
SAP						
Equip #: 10736279						
Description: Separator HER3-21 SLUG CATCHER						
Location: CA_SWP_HERR_BT_10003210212600_ISP1_BLD1						
VESSEL OFFLINE						
VESSEL ONLINE						
VESSEL LAST REGULATORY SUMMARY						
Date	Methods	Primary Inspector	Secondary Inspector	Report #		
8/12/2008	VI,VE,UT	DAVE LANKTREE NB/API510/API570	MIKE ONDRUS			
		Company: CONOCO	CONOCO			

Status: IN SERVICE

Last Reg Insp	Insp Int Mths	Next Insp
8/12/2008	48	2012

Retirement Year

UT ☒ VI ☒

Last Insp Methods VI,VE,UT

No. of Linked Doc's 3

No. of DWGs 0

No. of Memo's 0

PSV Pressure Check Shell

Last Periodic Insp	Periodic Int Mths	Next Periodic
8/13/2008	60	2013

Change Inspection Interval to *12*

Change PSV Service Interval to

Report Reviewed and Accepted By: *Mike Ondrus*

Print Name *Mike Ondrus*

PESL # *0361* API # *31006*

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A0426903		77808	M8284.2			SLUG CATCHER

External Inspection Items

G = Good, F = Fair, P = Poor, N/A = Not Applicable

	G	F	P	N/A	Comments
Insulation - Verify sealed around manways, nozzles, no damage present, and there is no egress of moisture. Are straps secure?				✓	
External Condition - Assess paint condition, areas peeling, record any corrosion, damage, distortion etc (record location, size and depth of corrosion or damage)	✓				
Leakage - Record any leakage at flanges, threaded joints, weep holes on reads, etc.	✓				
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. Is ground wire attached?	✓				Bolted, EAST SIDE Welded to floor West side
Anchor Bolts - Hammer tap to ensure secure. Look for corrosion, cracking in threads or signs of deformation.				✓	
Concrete Foundation - Check for cracks, spalling, etc.	✓				
Ladder/Platform - Describe general condition, ensure support is secure to vessel, describe any hazards.				✓	
Nozzle - Assess paint, look for leakage, and ensure stud threads are fully engaged. Record any damage, deflection, etc. Are nozzles gusseted? Inspect gussets for cracking.	✓				
Gauges - Ensure gauges are visible, working, no leakage, and suitable for range of MAWP/Temp.	✓				
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?	✓				
Valving - Ensure no leaks are visible. Valves are properly supported and chained if necessary.	✓				
PSV - Ensure PSV is set at pressure at or below that of vessel. Discharge piping is same size as valve outlet and is properly supported and routed. Are PSV seals in place? Ensure no block valves between PSV and vessel, or if there are that they are locked/sealed open.	✓				PSV set pt 750 PSI MAWP 1440 PSI
NDE Methods - Was UT/ MPI done on vessel					UT previously

Other Observations: - SIDE WALLS have minor small nicks/cracks inside -
- INHIBITOR DIFFICULT to remove, seek better cleaning next time

Inspected By : Mike Ondrus & Dean Owens
Print Name : Mike Ondrus

Date : MAY 4, 2011
PESL # 0361 API # 31006

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Internal Inspection Items

G = Good, F = Fair, P = Poor, N/A = Not Applicable

	G	F	P	N/A	Comments
Coating - Assess coating. Describe area coated, general condition of coating. Look at nozzles, coupling, and areas of most severe corrosion to ensure coating is intact. If coating is in poor condition make decision now if re-coating necessary? If so, when?	✓				
Anodes - How many, type, condition. % consumed. Are they being replaced?				✓	
Internal Piping - Is there any? If so, carbon or stainless steel. Describe condition, dents, corrosion, erosion, etc. Ensure supports are secure and any bolts are suitable for future use.				✓	
Trays - How many? Type of material. Are valves in place. Check for erosion/ corrosion; wear on tray valve legs. Cleanliness?				✓	
Baffles, deflector plates, etc. - If present, describe condition. Look closely at welds attached to vessel wall.	✓				
Bottom Head - Note all corrosion, erosion or mechanical damage. (If vessel is horizontal identify direction of this head) <i>EAST</i>	✓				
Top Head - Note all corrosion, erosion or mechanical damage. (If vessel is horizontal identify direction of this head) <i>WEST, manway</i>	✓				
Shell Sections - Record number of shell sections. Record location, size and depth of all erosion, corrosion or mechanical damage. Describe general condition. If any corrosion greater than corrosion allowance is observed in either shell or head, discuss with Chief Inspector before closing vessel.	✓				<i>small points of previous corrosion sites</i>
Demister pad - Is it in place? Is it clean? If any corrosion is apparent in vessel, lift pad and check top head for corrosion.	✓				<i>bolts in place</i>
Welds - Inspect all welds, including attachment welds. Record all service-related damages and if there is any discuss with Chief Inspector before closing.	✓				
Repairs Required - If yes, ensure procedure and copy of AB-40 is on file, and one sent to local ABSA Inspector	✓				<i>none required</i>
NDE - Was any NDE done.					<i>UT done in 2008 will be done this summer</i>

Other Observations:

17" manway, long neck.

this summer

Inspected By : *Mike Ondras & Dean Owens*

Print Name : *Michael Ondras*

Date : *March 5/2011*

PESL # *0361* API # *31006*