

VERTICAL VESSEL - GENERAL INSPECTION FORM						
District: Ft St John, B.C.			Skid No.			
Facility: South Buick			Location (LSD): d-78-I / 94-A-11			
Vessel Name & Equipment Number: Gas Separator #2 V-100						
Orientation: Vertical						
Status: In Service			Regulatory Inspection			
PRESSURE VESSEL NAMEPLATE DATA						
"A" or "G" or "S" (Sask.) or BC Registration Number. A#431523			CRN Number N-3413-21			
Vessel serial number: 96-8536-0			Size: 48" X 10'			
Shell thickness: 1.250"			Shell material: N/S			
Head thickness: 1.220"			Head material: N/S			
Tube wall thickness: N/A			Tube material:			
Tube diameter: N/A			Tube length:			
Channel thickness:			Channel material:			
MAWP	Shell: 720 PSI		Operating pressure	Shell: 0		
	Tubes:			Tubes:		
Design Temp.	Shell: 100 deg F		Operating temperature	Shell: 0		
	Tubes:			Tubes:		
X-ray: RT-1			Heat treatment: Yes			
Code parameters: ASME Sec VIII			Joint efficiency (if on nameplate):			
Manufacturer: Wells-Hall Fabrication Ltd.			Year built: 1996			
Corrosion allowance: N/S			Manway: Yes			
PRESSURE SAFETY VALVE NAMEPLATE DATA						
Tag Number(s)	Set Pressure PSI	CRN #	Manufacturer /Model / Serial# and Code Stamp	Capacity (Scfm)	Size	Set Date
Shell Side 11307F	720	0G2369.5C	Farris/ 26JA12-120 435369-3-A10 UV/NB	18144	2.5"X 4"	April- 04-2007
SERVICE CONDITIONS-INDICATE ALL THAT APPLY						
Sweet	Sour X		Oil	Gas X		Water X
Amine	LPG		Condensate X	Air		Glycol
Other (Describe):						

Inspection Interval _____ PSV Service Interval _____

(Determined by MIC in conjunction with Chief Inspector following guidelines of CNRLs Canada Owner-User Inspection Program)

Reports reviewed and accepted by:

Mechanical Integrity Coordinator _____ Date _____

Fill out all forms as completely as possible. All information is important! Use back of sheets to record additional information or sketch if required.

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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. Are straps secured?				X	No External inspection performed at this time as per Udell Meservy request.
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 repads, etc.					
Skirt: Assess condition of paint, fire protection, and 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?					
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, and 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 is that they are locked/sealed open.					
NDE methods Was UT/ MPI done on vessel (MI coordinator to review results)					
Other Observations:					

Inspected By: Joe Holdstock

Date: July-10-2007

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Internal Inspection Items	G	F	P	N/A	Comments
Coating Assess coating. Describe area coated, general condition of coating.				X	None.
Anodes. How many, type, condition. % consumed. Are they being replaced?				X	None.
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.	X				Siphon tube is in good overall condition. No mechanical damage, corrosion or erosion was found.
Trays How many? Type of material. Are valves in place. Check for erosion/ corrosion; wear on tray valve legs. Cleanliness?				X	None.
Baffles, deflector plates, etc. If present, describe condition. Look closely at welds attached to vessel wall.	X				Deflector plates found in good condition welds were firmly secured to the shell.
Bottom Head Note all corrosion, erosion or mechanical damage. (If vessel is horizontal identify direction of this head)	X				Bottom head is in good overall condition. No mechanical damage, corrosion or erosion was found.
Top Head Note all corrosion, erosion or mechanical damage. (If vessel is horizontal identify direction of this head)				X	No access to top head for inspection.
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.	X				One shell sections were found to form this vessel. No signs of corrosion, erosion or mechanical damages were noted. A thin layer of wax coating was found randomly through out the shell surface.
Demister pad Is it in place? Is it clean? If any corrosion is apparent in vessel, lift pad and check top head for corrosion.				X	None.
Welds Inspect all welds, including attachment welds. Record all service-related damages and if there is any discuss with Chief Inspector before closing.	X				All welds were in good condition at the time of inspection. No mechanical damage, corrosion or erosion was found. A thin layer of wax coating was found randomly through out the shell surface.
Repairs Required. If yes, ensure procedure and copy of AB 40 is on file, and one sent to local ABSA, and Chief Inspector				X	None.
NDE Was any NDE done. (MI coordinator to review results)					
<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) Other Observations: Recommendations: Summary: Vessel is fit for service</p>					

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Name Plate



Overview



Float



Bottom circ weld Overview



Siphon tube



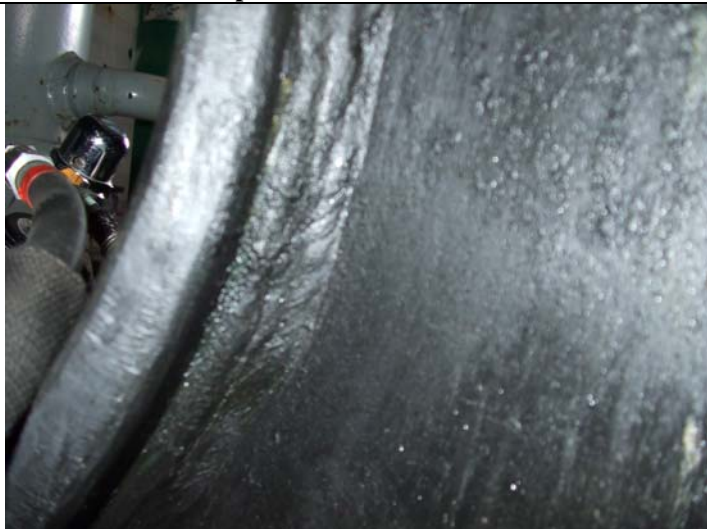
Bottom Head



Top Shell attachment weld



Internal Manway circ weld



Internal Manway circ weld



Manway Nozzle



Manway Flange



Bottom side of Manway Nozzle