

**Canadian Natural Resources Limited
GENERAL PRESSURE VESSEL INFORMATION**

RTD 10.116280

District: Fort St. John, BC		Skid No.					
Facility: Lady Fern Compressor Station		Location (LSD): a-84-G/94-H-01					
Vessel Name & Equipment Number: Line Heater							
Orientation: Horizontal							
Status: Out of Service				Inventory			
PRESSURE VESSEL NAMEPLATE DATA							
Registration Number C73654				CRN Number P 3215.21			
Vessel serial number: 00-2167-2				Size: 30 in x 6ft			
Shell thickness: 0.218 in // 0.486 in				Shell material: Not Stated			
Head thickness: Not Stated				Head material: Not Stated			
Tube wall thickness:				Tube material:			
Tube diameter:				Tube length:			
Channel thickness:				Channel material:			
Design pressure	Shell:			Operating pressure	Shell:		
	Tubes: 2025 psi // 5625 psi				Tubes: 200 deg F		
Design Temp.	Shell:			Operating temperature	Shell:		
	Tubes:				Tubes:		
X-ray: 100%				Heat treatment: Yes			
Code parameters: ASME VIII / Div 1				Coated: No			
Manufacturer: Wells Hall Manufacturing Ltd.				Built: 2001			
Corrosion allowance: N/S				Man way: No			
PRESSURE SAFETY VALVE NAMEPLATE DATA							
PSV Tag no.	Manufacture / Model / Serial #	Set Pressure (PSI / KPA)	Capacity (scfm / usgpm)	Size	Block Valve	Location	Serv by / Date
No PSV							
SERVICE CONDITONS-INDICATE ALL THAT APPLY							
Sweet	Sour X	Oil		Gas X		Water X	
Amine	LPG	Condensate		Air		Glycol	
Other (Describe):							

Inspection Interval _____ **PSV Service Interval** _____

(Determined by MIC in conjunction with Chief Inspector following guidelines of Canadian Natural Resources Limited 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. 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 man ways, nozzles, no damage present, and there is no egress of moisture.					
External Condition Assess paint condition, areas peeling, record any corrosion, damage, 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, 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?					
Anchor Bolts Hammer tap to ensure secure. Look for cracking in treads 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?					
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 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.					
NDE methods Was UT/ MPI done on vessel (MI coordinator to review results)					
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: Summary: Vessel is fit for service.					

Inspected By: D. Wiedman / Justin Smith

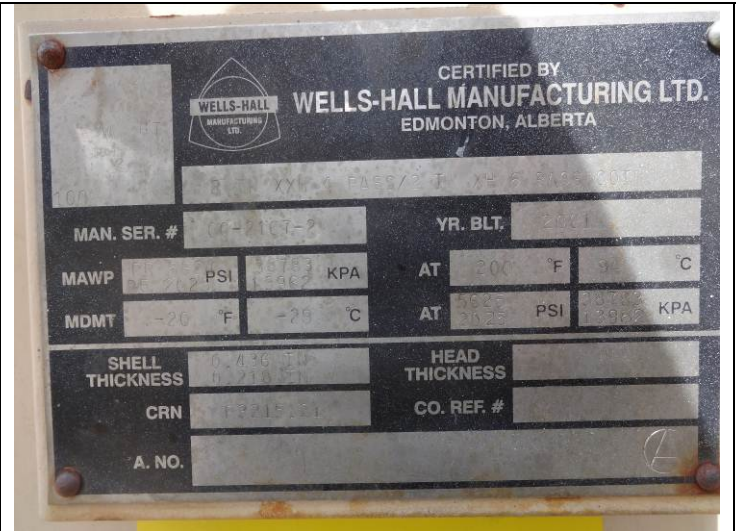
Date: June 10 2015

 API 20981/PESL 275)

Photo Table



LSD



Data Plate



C Tag



Overview



Saddle



Temperature Gauge